Midwest Generation – Crawford ILD 044 231 470 DRS Photograph 1

Midwest Generation - Crawford ILD044231470 BMS Photograph 2

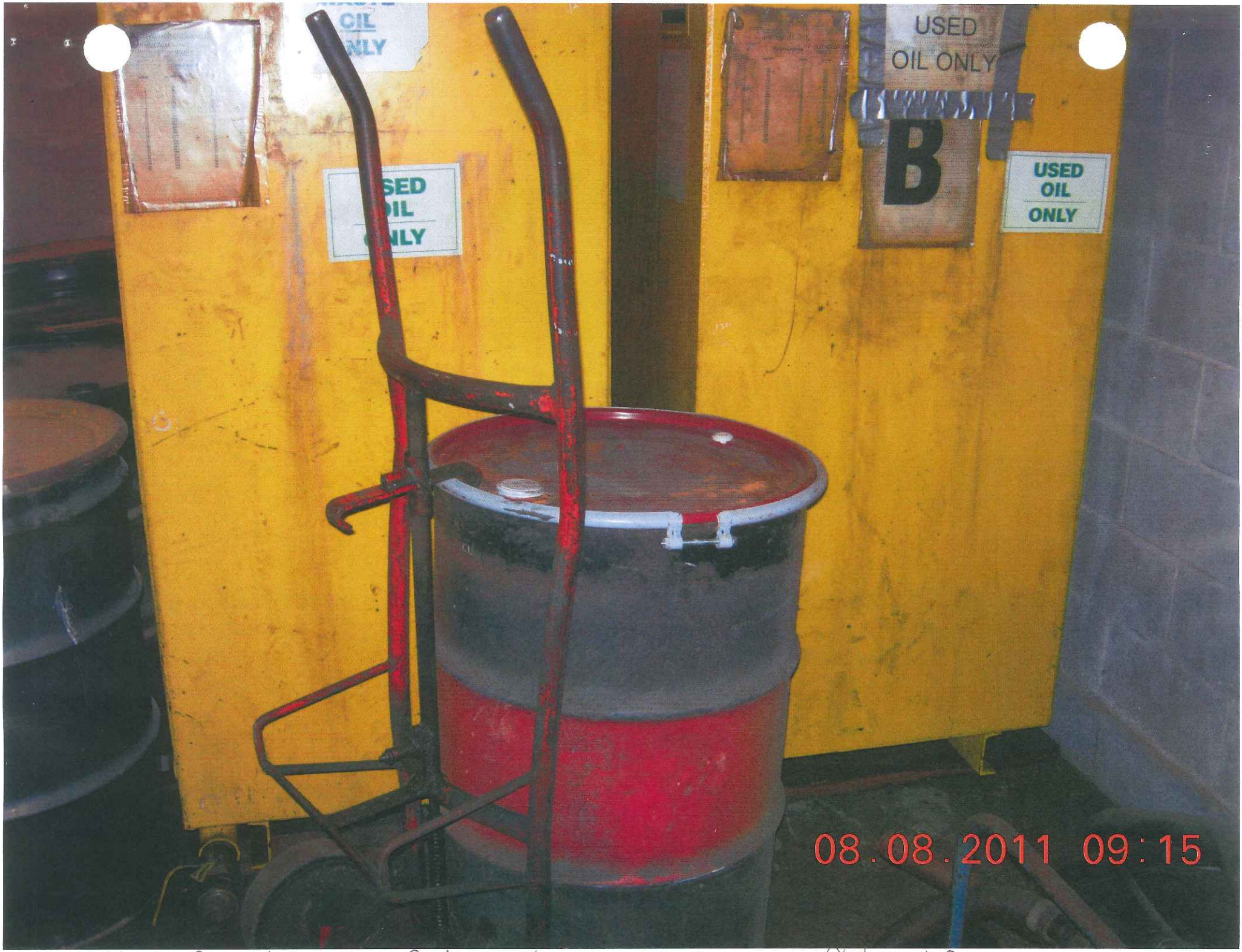
Midwest Generation – Crawford ILD 044 231 470 DMS Photograph 3

Midwest Generation - Crawford IL0044231470 BMS Photograph 4

Midwest Generation – Crawford ILD044231470 DMS Photograph 5

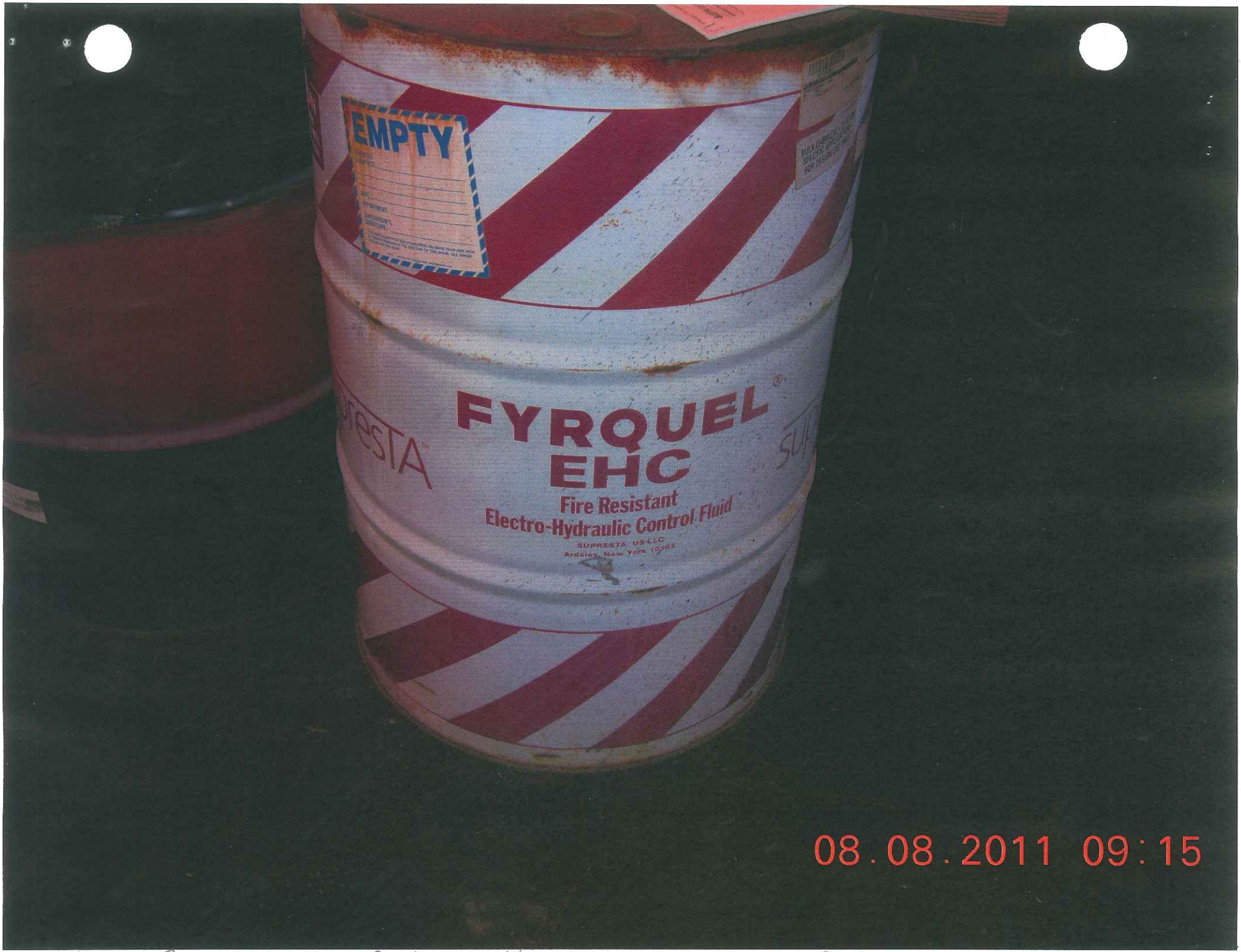
Midwest Generation - Crawford IL0044 231 420 2008 Photograph 6

Midwest Generation – Crawford IDD048231470 DMS Photograph 7



Midwest Generation - Crawford #D044231470 DMS Photograph 8

Midwest Generation – Crawford IL D044 231 470 DMS Photograph 9



Midwest Generation – Crawford ILD044231470 DMB Photograph 10

Midwest Generation – Crawford ILD044231470 DMB Photograph 11

Midwest Generation – Crawford ILD044231470 DMS Photograph 12

Midwest Generation - Crawford ILD 044 231 470 DMS Photograph 13

Midwest Generation - Crawford IL D044 231 470 DMS Photograph 14

Midwest Generation – Crawford ILD044231470 DMB Photograph 15

Midwest Generation - Crawford IL D044 231 470 DMS Photograph 16

Midwest Generation - Crawford ILD044231470 DMS Photograph 17

Midwest Generation – Crawford IL0044231470 DRS Photograph 18

Midwest Generation - Crawford IID044231470 DMS Photograph 19

Midwest Generation - Crawford IL0044 231470 DMS Photograph 20

Midwest Generation - Crawford IL0044 231470 DNB Photograph 21

Midwest Generation - Crawford IN004 23/420 DMS Photograph 22

Midwest Generation - Crawford ILD044231470 DMD Photograph 23

Midwest Generation- Crawford ILD044231470 DMD Photograph 24

Midwest Generation - Crawford IL0044231470 JMB Photograph 25

Midwest Generation - Crawford ILD044 231470 DMS Photograph 26

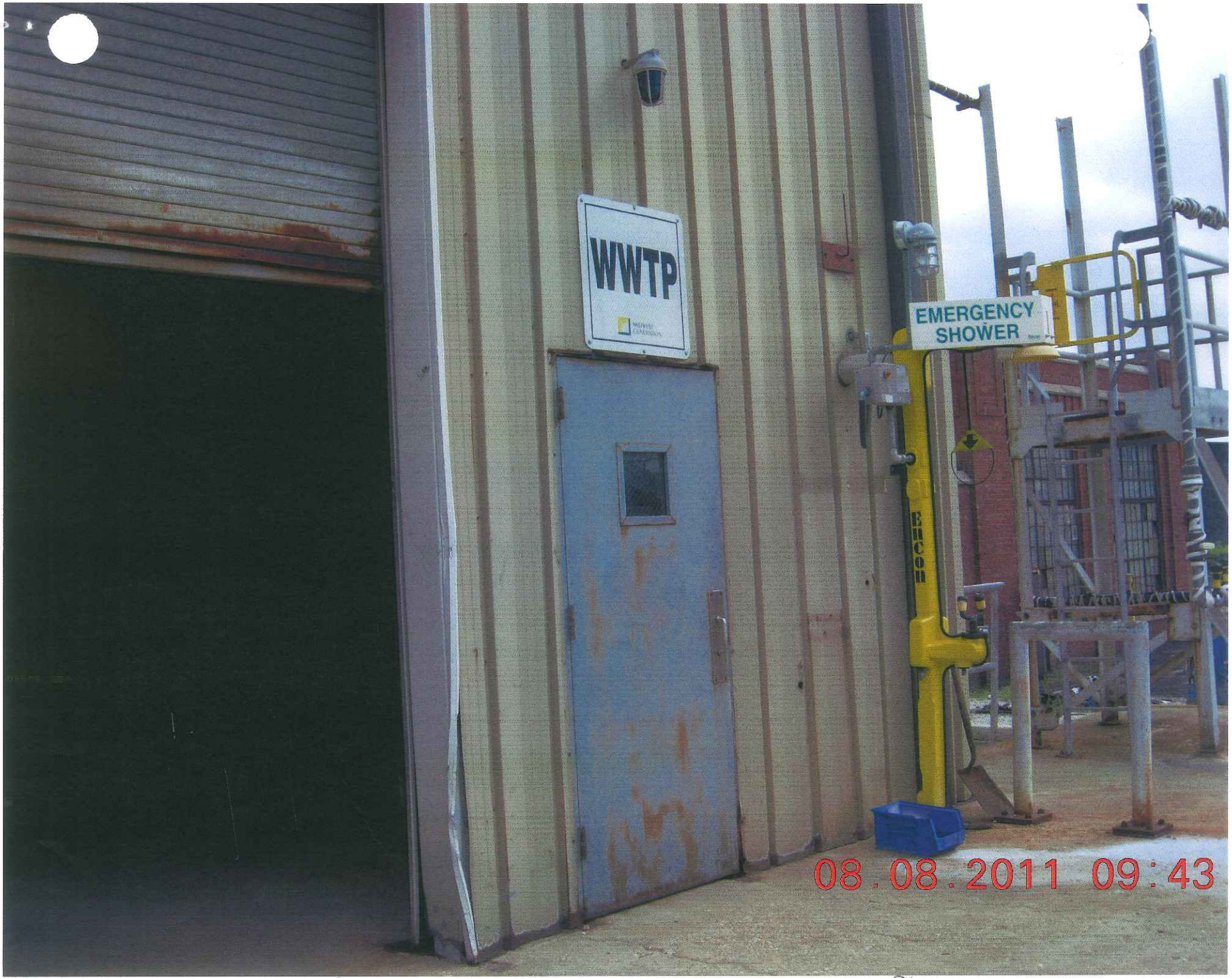
Midwest Generation - Crawford ILD044231470 DMS Photograph 27

Midwest Generation- Crawford ILD044231470 DMS Photograph 28

Midwest Generation - Crawford ILD044 231470 DMS Photograph 29

Midwest Generation - Crawford IL D044231470 DMS Photograph 30

Midwest Generation - Crawford ID 044231470 DMS Photograph 31



Midwest Generation - Crawford IL5044231470 Photograph 32

MIDWEST
GENERATION, LLC
An EDISON INTERNATIONAL℠ Company

Ms. Diane Sharrow
United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard, LR-8J
Chicago, IL 60604

Re: USEPA Notice of Violation
Midwest Generation, LLC
Crawford Generating Station
EPA ID. NO.: ILD 044 231 470

Dear Ms. Sharrow:

This letter is timely submitted by Midwest Generation, LLC ("MWGen") in response to the above-referenced November 3, 2011 Notice of Violation ("NOV"), received on November 4, 2011.

Although MWGen does not agree with all of the allegations in the NOV, MWGen regrets its issuance and intends to work cooperatively with the United States Environmental Protection Agency ("USEPA") to address the alleged violations concerning its Crawford Generating Station (the "Facility"). To that end, MWGen has already taken steps to address and resolve alleged violations contained in the NOV, as discussed further below.

The following is a response to each of the four (4) alleged violations in the NOV. MWGen generally submits that it did not engage in any non-compliance that directly or indirectly resulted in any discharge to the environment or caused any harm. Further, MWGen submits that the east storage room is used to not only store used oil, but also to store empty drums and other containers until a sufficient number accumulate to ship for recycling.

Alleged Violations and Responses

1. **Containers and aboveground tanks used to store oil at generator facilities must be labeled or marked clearly with the words "Used Oil." See 35 IAC 739.122(c)(1) [40 CFR 279.22(c)(1)]. At the time of the inspection, Midwest Generation had not labeled or marked clearly two aboveground storage tanks, four 55-gallon containers, and two secondary containment units with the words "Used Oil."**

Response:

Although MWGen wishes to resolve these alleged violations without the need for further action, there are inaccuracies in the alleged violations which warrant correction. The

Midwest Generation, LLC
Crawford Generating Station
3501 South Pulaski Road
Chicago, IL 60623-4987
Tel: 773 247 7272
Fax: 773 247 1072

aboveground storage tanks, which are described in the August 8, 2011 USEPA Inspection Report ("Inspection Report") as "the yellow used oil tanks," already were labeled as "Used Oil" at the time of the USEPA inspection. Further, two of the four 55-gallon containers did not contain used oil and therefore, were not required to be labeled "Used Oil." Finally, as discussed further below, the intended purpose of the secondary containment units was not to store used oil but to contain spills when used oil was being handled and/or transferred. Because these secondary containment units are not used for the purpose of storing used oil, they were not labeled as such at the time of the inspection. Each of these defenses to the alleged violations is explained in more detail below.

Aboveground Storage Tanks: The aboveground storage tanks had "Used Oil" labels on the date of the USEPA inspection. This is clearly seen in USEPA Photo #8 of the Inspection Report. The presence of the "Used Oil" labels also is confirmed in the Inspection Report on page 4, which states that the tanks were labeled with "Used Oil Only." Section 279.22(c) requires that "Containers and aboveground tanks used to store used oil at generator facilities must be labeled or marked clearly with the words ''Used Oil.'' Both aboveground containers had labels that clearly stated "Used Oil." The other labels present on the tanks, stating "Lube Oil" and "Waste Oil," which reflected prior uses of these tanks, are additional labeling that is not prohibited under nor does their presence violate the RCRA Part 279 labeling requirements.

Drums: Two of the four 55-gallon drums cited in the Inspection Report did not contain used oil and this is why these two drums were not labeled "Used Oil.". The unlabeled drum identified in USEPA Photo #12 of the Inspection Report contained antifreeze. The MWGen Environmental Specialist Donald Isaacs' August 8, 2011 email to USEPA ("August Email", a copy of which is attached as Exhibit A) confirms this and one of the photos attached to that email, which is also attached to this response separately as Exhibit B, clearly shows the proper labeling was applied. The other drum contained grease. MWGen did not discover and confirm until after the USEPA inspection that this drum contained grease and not used oil. The subject drum was located in front of the two aboveground storage tanks and is depicted in USEPA Photos 8 and 9 of the Inspection Report. Therefore, this drum also did not require a "Used Oil" label. When used oil is stored in drums at the Crawford Station, "closed top" drums are used. As can be seen in USEPA Photos 8 and 9 of the Inspection Report, and more clearly in MWGen's photograph attached as Exhibit C, the subject drum is an "open top" drum, meaning that the entire top can be removed and thus would only contain material suitable for such a container, such as grease.

Secondary Containment Units: MWGen utilizes the secondary containment units inside and outside the east storage room to contain any minor spills when used oil is transferred from or into drums, but that is the limit of their purpose. MWGen has a standard operating procedure to clean the secondary containments on a routine basis. Based upon their use to contain rather than to store used oil, and MWGen's routine practice of cleaning them, these secondary containment units are not properly considered storage containers within the meaning of the RCRA Used Oil regulations that are subject

to the labeling requirements. However, as evidenced by the MWGen photos attached to the August Email and also attached to this response, in order to resolve this dispute and any uncertainty regarding the regulatory compliance status of these units, MWGen has affixed "Used Oil" labels to the secondary containments. See Exhibits D & E.

Notwithstanding its above-described defenses to the USEPA's alleged violations, in order to resolve this matter and address the USEPA's findings without further dispute, on the day of the inspection, MWGen labeled as "Anti-Freeze" or "Used Oil," as appropriate, the four subject drums and two secondary containment units. The attached MWGen photographs, which were also attached to the August Email (see Exhibits B-E), clearly show that MWGen promptly affixed the correct labels to all of the containers and containments, including those identified that did not contain used oil. The photos show the labeled secondary containment inside the east storage room (Ex. E), the yellow secondary containment outside of the HAZMAT building (Ex. D), and the two yellow tanks and one 55-gal. open top drum containing grease. (Ex. C).

2. **Upon detection of a release of used oil, a generator must stop the release, contain the release, clean up and manage the release and repair and replace any leaking used oil storage containers or tanks, if necessary, prior to returning them to service. See 35 IAC §739.122(d)(1)-(4) [40 CFR §279.22(d)(1)-(4)]. At the time of the inspection, Midwest Generation had not cleaned up the release of used oil to: 1) the floor of the east storage room including the floor sump or pit; 2) the container secondary containment in the east storage room; 3) on the top of a 55-gallon container; and 4) the yellow secondary containment box located along the exterior wall on the south side of the HAZMAT Building. In addition, the secondary containment was not free of used oil, closed or marked clearly with the words "Used Oil."**

Response:

MWGen disputes these alleged violations on several grounds. There was not a "release" of used oil into the environment. The observed "dried used oil" was not liquid used oil that had not been cleaned up. The alleged observation of a small patch of liquid used oil was not used oil. MWGen maintains that any release of used oil had been cleaned up and managed in accordance with applicable RCRA requirements.

The Inspection Report states that the floor of the east storage room had "dried used oil." This condition is more accurately described as residual oil staining. It was not "free-flowing" used oil.[1] It was staining that resulted from cleaning up used oil from the floor of the east storage room. There was no liquid or pooled used oil in the east storage room at the time of the inspection.

---

[1] Section 279.10(c) of the RCRA Used Oil standards provides that materials containing or otherwise contaminated with used oil "from which the used oil has been properly drained or removed to the extent possible such that no visible signs of free-flowing oil remain in or on the material are not used oil" and are not subject to the requirements of RCRA Part 279. 40 CFR 279.10(c), emphasis added. Section 739.110(c) of the Illinois Pollution Control Board regulations contains the same exclusion. 35 IAC § 739.110(c).

The Inspection Report also states that there was a small patch of liquid used oil. However, no sample was taken from the small patch to confirm it was liquid used oil. Also, it appears from the USEPA inspection report photographs, numbered 11 & 12 that the subject liquid was water from the two 55-gallon drums that contained rainwater. MWGen had the contents of these two barrels analyzed by SET, an outside environmental services provider. The analytical results from the barrel contents samples show that the contents were water, not used oil. (See copy of SET analytical report on the two 55-gal. drums attached as Exhibit G). Thus, the small patch of liquid observed on the floor by the USEPA inspector was water, not used oil.

Even if there were a patch of used oil on the floor in the east storage room, this condition does not represent a release of used oil to the "environment" within the meaning of RCRA. The floor of the east storage room is not "the environment." This conclusion equally applies to the sump and the secondary containment in the east storage room, the top of the 55-gallon container, and the yellow secondary containment outside of the HAZMAT building. The term "release" is not defined in the Used Oil RCRA regulations, or in RCRA generally. However, it is informative on this issue to consider the definition of "release" under CERCLA. CERCLA defines a "release" in relevant part as: "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment" with an express exclusion for "any release which results in exposure to persons solely within a workplace." 42 USC §9601(22). (The Illinois Environmental Protection Act ("ILEPA Act") defines "release" in very similar terms. See 415 ILCS 5/3.395.) Thus, under CERCLA a release means that the substance was released "into the environment." CERCLA's definition of the term "environment" does not include the interior of a storage building.[2] See 42 USC §9601(8).

MWGen submits that if used oil is spilled in the east storage room, this does not constitute a "release into the environment." Any small amount of liquid in the east storage room is fully contained in the work space, not exposed to the elements, the environment, or able to leak out of the building. Similarly, the presence of a thin film of used oil that was contained on the top of the 55-gallon container is also not a release to the environment. It was contained on top of the drum inside the building in the east storage room building.

Notwithstanding its above-described defenses to the USEPA's alleged violations, in order to resolve this matter and address the USEPA's findings without further dispute, at the time of the inspection, MWGen personnel quickly wiped the oily film on top of the 55-gallon drum, as documented in photo enclosed as Exhibit F (Photo #2823). MWGen also

[2] "Environment" is defined in CERCLA as "(A) the navigable waters, the waters of the contiguous zone, and the ocean waters of which the natural resources are under the exclusive management authority of the United States under the Fishery Conservation and Management Act of 1976, and (B) any other surface water, ground water, drinking water supply, land surface or subsurface strata, or ambient air within the United States or under the jurisdiction of the United States." 42 USC §9601(8). The Seventh Circuit has found that "[t]he interior of a place of employment is not "the environment" for purposes of CERCLA." *Covalt v. Carey Canada Inc.*, 860 F.2d 1434, 1439 (7th Cir., 1988).

wiped up the small patches of water on the floor in the east storage room and cleaned the pit in the east storage room to remove any liquid or sheen. Finally, on November 14, 2011, MWGen took the addition step of power-washing the floor of the east storage room with hot water in order to remove any staining..

3. **Containers and aboveground tanks used to store used oil at generator facilities must be in good condition. See 35 IAC §739.122(b)(1) [40 CFR §279.22(b)(1)]. At the time of the inspection, Midwest Generation was using containers to store used oil that were not in good condition.**

Response:

In the subject east storage room, only two drums were storing used oil and both were in good condition. These are the two drums shown in Exhibit B, which MWGen labeled as "Used Oil" after the inspection. The condition of the subject containers did not violate the cited Illinois and federal RCRA regulations. The remaining drums did not contain used oil. They were being collected in the east storage room not for use to store used oil but rather for eventual drum recycling or drum disposal as scrap. Consistent with with the fact that they did not contain used oil, they were not labeled "Used Oil." The Inspection Report does not assert otherwise. Accordingly, whatever the condition of these containers, it did not violate the cited provisions of 35 IAC §739.122(b)(1) [40 CFR §279.22(b)(1)] because those provisions are inapplicable to empty containers not being "used to store used oil" as specified in §739.122(b)(1). Therefore, the condition of the containers, which are destined for recycling, is not a violation of Section 279.122(b). MWGen has since removed all of the empty containers for recycling or disposal for scrap.

Even if the containers had contained used oil, their condition was not in violation of the cited regulations. The containers did not exhibit severe rusting or deterioration. The alleged violation does not contain a complete recitation of the relevant language of Illinois RCRA section 739.122(b)(1) or RCRA section 279.22(b)(1) concerning what constitutes a drum in "good condition." Both of these regulations provide that containers "must be in good condition ((no severe rusting, apparent structural defects or deterioration)." The "primary objective of requiring tanks and containers to be in good condition is to prevent the release of used oil to the environment, and 'severe rusting,' along with apparent structural defects or deterioration," would be an indication that the integrity of the tank is questionable. *In re Dearborn Refining Co.*, RCRA-05-2001-0019, 2003 WL 22078598 (August 18, 2003). Neither the description of the alleged violations nor the contents of the Inspection Report clearly identify which containers are the subject of the alleged violations,[3] It is impossible to tell exactly what containers USEPA claims were not in "good condition." However, from a review of similar photos taken by MWGen personnel at the time of the inspection, it is evident that there is no severe rusting nor structural defects on any containers such that their condition threatened to cause a release of their contents. The photograph attached as Exhibit F shows empty

[3] The Inspection Report cites photos 7 through 12 as examples of containers with condition issues, all of which are black and white and very dark in the copy MWGen was provided.

containers with no apparent or severe rusting. Similarly, the drums shown in the photograph attached as Exhibit B show rusting on the drums that is not severe nor are there structural defects or deterioration such that a release of used oil would occur.

Further, the drums that were identified in the USEPA Inspection Report as "bowed" in the bottom and "dented" did not contain used oil MWGen had their contents analyzed by SET Environmental, Inc. ("SET") and the attached analysis report (Exhibit G) shows that the contents were water. Those drums were moved to the east storage room for drum recycling or disposal as scrap.

In sum, the only two drums that contained used oil were in good condition. MWGen will continue to use containers that are in good condition for storage of used oil, meaning they are free of severe rusting, apparent structural defects or deterioration.

4. **Used oil generators shall not store used oil in units other than aboveground tanks, containers, or units subject to regulation under 35 IAC 724 and 725 [40 CPR Parts 264 or 265]. Generators of used oil shall not manage used oil in a surface impoundment unit unless the surface impoundment unit is subject to regulation under 35 IAC 724 and 725 [40 CPR Parts 264 or 265]. See 35 IAC § 739.I22(a) [40 CPR § 279.22(a)]. At the time of the inspection, Midwest Generation was storing used oil in a floor sump or pit in the east storage room of the HAZMAT Building, and in two surface impoundments not subject to regulation under 35 IAC 724 and 725 [40 CPR Parts 264 or 265].**

Response:

The referenced "two surface impoundments" are not used by MWGen to store used oil. The "two surface impoundments" referenced in this alleged violation are referred to in the Crawford Station's NPDES Permit No. IL 0002186 as the "South Detention Basin" and are internally referred to by MWGen as stormwater "Basin 9" or "Pit 9." Basin 9 collects stormwater runoff from the surrounding area and the wastewater generated from washing the coal conveyor belt, Conveyor 4, that is located on the northeast side of this stormwater basin. The South Detention Basin's purpose and function is as a collection point for stormwater runoff to be treated on-site in the Station's wastewater treatment system. This fact is confirmed in the provisions of the 2001 Crawford Station NPDES Permit, which is the currently effective permit. A copy of the 2001 Crawford Station NPDES Permit is attached as Exhibit H. Page 5 of the NPDES Permit specifically identifies the South Detention Basin as a collection point for area stormwater runoff which is allowed to be discharged through Outfall C01 subject to the applicable effluent limitations. (See p. 5, Item 14 and Outfall C01 Effluent Limitations, of the Crawford Station NPDES Permit).

Section 279.10(f) of the RCRA Used Oil regulations and section 739.110(f) of the Illinois RCRA regulations both provide that: "'Wastewater,' the discharge of which is regulated under either section 402 or 307(b) of the CWA (including wastewaters at facilities which have eliminated the discharge of wastewater), contaminated with *de minimis* quantities of

used oil are not subject to the requirements of this part. *De minimis* quantities of used oil are small spills, leaks, or drippings from pumps, machinery, pipes, and other similar equipment during normal operations, or small amounts of oil lost to the wastewater treatment system during washing or draining operations." 40 CFR 279.10(f); 35 IAC 739.110(f).

As the purpose of the South Detention Basin is to collect stormwater runoff, it also collects *de minimis* quantities of used oil that have come in contact with the stormwater runoff before it enters the South Detention Basin. Pursuant to Section 279.10(f), these *de minimis* quantities are not subject to the requirements of Part 279, and therefore MWGen is not in violation of Section 279.22(a). The USEPA Inspection Report acknowledges that storm water flows into the South Detention Basin. (Inspection Report at p. 4). The run-off area is part of an operating power plant facility which has multiple pumps, pipes and machines. The stormwater runoff collects *de minimis* amounts of used oil from small spills, or leaks or drippings from those pumps, machinery, pipes and other similar equipment as it travels to the South Detention Basin. As seen in the aerial photo given to MWGen on the date of the inspection, there is a coal conveyor belt and wash out area on the nCorth side of the South Detention Basin. This equipment likely has small and infrequent drippings of used oil, satisfying the definition of *de minimis within the RCRA regulations*.

The South Detention Basin is the beginning of the treatment process for the stormwater it collects. The stormwater from the area known as the "Former Peaker Yard," passes through an oil/water separator before entering the South Detention Basin. Further, any oil that passes through the oil/water separator and may collect on the surface of the stormwater in the South Detention Basin is contained by booms and removed by skimming. In sum, MWGen does not use the South Detention Basin to store "used oil" within the meaning of the RCRA regulations.

MWGen suspects that the USEPA's used oil allegations regarding the South Detention Basin may at least in part be based on the observation of a sheen in the aerial photograph of the South Detention Basin and that during the USEPA's inspection, staining was observed on rock, cobble, and soil in and around the South Detention Basin. This staining did not arise from the use of the South Detention Basin to store used oil. It originates from two primary sources. First, the oil stains in the south side of the South Detention Basin are attributable to the emergency response actions taken when very heavy rainfall events and resulting extensive flooding occurred in 2010. On July 24, 2010 over 6.4 inches of rain fell at Chicago O'Hare Airport causing extensive flooding at the Crawford Station, including flooding of the Station's turbine basement to a peak height of 7 feet, 9 inches, with an estimated volume of 2.5 million gallons, when flood waters from the adjacent Chicago Sanitary & Ship Canal (CSSC) entered the turbine basement. Because of the flooding, the Station's turbine lube oils stored in the basement were displaced. Most of the lube oil was pumped out and collected from the basement into oil removal trucks brought onsite by MWGen. The oily water was pumped into the trucks and the water that settled below the floating oil at the bottom of the trucks was pumped out and passed through a rented, temporary oil/water separator. The treated

water exiting the temporary oil/water separator was then conveyed to the South Detention Basin for further treatment in the Station's Wastewater Treatment System prior to discharge through the NPDES permitted Outfall C01 and back into the CSSC. As part of these emergency response measures, after the turbine basement flood waters entered the South Detention Basin, a vacuum truck was used to skim off material from the surface. At no time was the South Detention Basin used to "store" used oil. The basin's use was limited to providing temporary capacity for the huge volume of flood waters pumped from the turbine basement in order to allow it to be fed into the existing Wastewater Treatment System due to the higher levels of oil & grease and total suspended solids (TSS) in these flood waters.

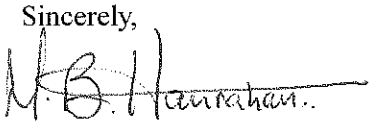
The Crawford Station received an emergency variance from the Illinois Environmental Protection Agency to allow the discharge of the treated flood waters from the turbine basement at Outfall C01. (see the Illinois EPA Variance attached as Exhibit I). The variance included higher discharge limits for oil & grease and TSS than were allowed under the Station's NPDES Permit discharge limits for Outfall C01. Ultimately, MWGen was able to manage and treat the flood water so that the discharge limits in the Station's NPDES Permit were never exceeded. However, Station personnel familiar with conditions before and after the 2010 flood event believe that an effect of the flood was the staining that remains along the south side of the South Detention Basin. MWGen submits that this staining is not a reasonable or credible basis on which to allege that the 2010 flood events constitute the use of the South Detention Basin to store used oil. The flood waters that contained the turbine oils were handled expeditiously and competently under very difficult, emergency circumstances and without any harm or adverse effect to the environment.

With regard to the floor sump in the east storage room, it is not MWGen's regular practice to store used oil in the floor sump. The floor sump is used as secondary containment to contain any accidental spills so that they are not released to the environment. MWGen properly cleans the floor sump using a licensed contractor, which takes the liquid and properly treats it. MWGen acknowledges that there was a small amount of liquid sitting in the floor sump at the time of the inspection, but does not agree it was used oil. Nevertheless, in response to the USEPA's concerns, MWGen recently had the floor sump in the east storage room cleaned. No sheen was seen in the rinse waters generated from cleaning the floor sump. Due to the lack of any sheen on the rinse water, we believe this observed liquid was merely water from rain that enters the east storage room at times when the rollup door was open. Further, MWGen will continue to promptly remove any spilled liquid that collects in the floor sump.

In the event that we have not correctly interpreted the alleged violations, please so advise us and we will respond further as needed. By submitting this response, we do not admit any liability for the alleged deficiencies. MWGen also reserves its right to raise additional defenses and mitigation arguments, as may be necessary, in defense of the allegations listed in the NOV in the event of any future enforcement.

MWGen would be happy to meet with the USEPA to further discuss and explain the above responses and to reach a final resolution to the Notice of Violation. Also, if you have any questions, please feel free to contact Michael Hanrahan, Managing Director, at (773) 650-5412.

Sincerely,



Michael Hanrahan
Managing Director – Fisk and Crawford Stations

EXHIBIT – A

Donald Isaacs/Crawford/EMG/EIX

08/08/2011 08:16 PM

To sharrow.diane@epa.gov

cc

Subject Today's Inspection- Midwest Generation Crawford

Dear Ms. Sharrow,
It was a pleasure meeting with you today on your inspection of the Crawford Generating Station. I am following up with photographs of the areas regarding used oil we had spoken about. The following photo numbers are accompanied by my descriptions of the attachments. Any questions please contact me.

Photo 2827
Drums pointed out earlier today are the 2 in foreground center and 1 to the right. These are labelled are as follows:
Foreground center- Was a labelled transformer fluid drum. This is now labelled "used oil" as this drum was recently brought in to used oil room for recycling.
Right side- Drum was a labelled hydraulic fluid drum. This is now labelled "used oil" as this drum was recently brought in to used oil room for recycling.
Background- is new drum of used antifreeze, with label.

Photos 2829 and 856
Drum containments for used oil (had been used for draining drums of residual used oil). Now are labelled "used oil" as discussed.

Photo 857
New used oil drum recently brought in to used oil room for recycling. Now has label "used oil". In upper left, see new label of empty used oil tank (over old Waste Oil label)

Photo 2823
Empty drum stack; drum at left center has been wiped clean of liquid oil residual previously on top, as discussed.

Donald A. Isaacs
Environmental Specialist
Midwest Generation Crawford and Fisk Stations
773-650-5489

EXHIBIT – B


LUBE
USED
OIL
ONLY
USED
OIL
ONLY
supresTA

EXHIBIT – C


USED
OIL
ONLY
USED
OIL
ONLY
USED
OIL ONLY
USED
OIL
ONLY
USED
OIL
ONLY

EXHIBIT – D


USED
OIL
ONLY

EXHIBIT – E

2829

EXHIBIT – F

2823


SPECIALIZED
LUBRICANTS
SCHAEFFER MFG. CO. ST. LOUIS
Schaeffer's
SPECIALIZED
LUBRICANTS

EXHIBIT – G

Report Number: 6051-5235

SET Environmental, Inc

ANALYTICAL REPORT

Prepared For:

Midwest Generation-Crawford

Analysis Completed: 8/19/2011

Description of Samples Received: 2 SAMPLES FOR ANALYSIS

Description of Services Rendered: Unknown Identification

Results furnished on attached pages

If you have any questions regarding this report, please contact the SET Laboratory staff at (847) 537-9221.

Bijan Saeedi
Laboratory Manager

EXHIBIT – H

Sample Number	Size	Chemical Name
DM-1	4 oz.	Water Trace: iron oxide / Aliphatic oil

Characteristics

Physical Appearance:	Cloudy liquid with organic sheen		
Solubility in Water:	Partly	Reducer:	☐ Yes ☒ No
Approximate pH:	6.5	Flammability potential:	☐ Yes ☒ No
Oxidizer:	☐ Yes ☒ No	Reactive:	☐ Yes ☒ No
Polymerizable:	☐ Yes ☒ No	Unstable:	☐ Yes ☒ No

Sample Number	Size	Chemical Name
DM-2	4 oz.	Water Trace: iron oxide / Aliphatic oil / Calcium chloride

Characteristics

Physical Appearance:	Cloudy liquid with organic sheen		
Solubility in Water:	Partly	Reducer:	☐ Yes ☒ No
Approximate pH:	6.3	Flammability potential:	☐ Yes ☒ No
Oxidizer:	☐ Yes ☒ No	Reactive:	☐ Yes ☒ No
Polymerizable:	☐ Yes ☒ No	Unstable:	☐ Yes ☒ No

END OF REPORT

Note: Due to the heterogeneous nature of the samples, other components may be present at trace levels.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

THOMAS V. SKINNER, DIRECTOR

217/782-0610

August 15, 2001

Midwest Generation, LLC
Environmental, Health and Safety Dept.
One Financial Place
440 South LaSalle Street, Suite 3500
Chicago, Illinois 60605

Re: Midwest Generation, LLC
Crawford Generating Station
NPDES Permit No. IL0002186
Modification of NPDES Permit (After Public Notice)

Gentlemen:

The Illinois Environmental Protection Agency has reviewed the request for modification of the above-referenced NPDES Permit and issued a public notice based on that request. The final decision of the Agency is to modify the Permit as follows:

Include the intermittent discharge of impounded stormwater from the on-site dredged material disposal facility in the description of wastestreams that comprise the discharge from Outfall C01.

Enclosed is a copy of the modified Permit. You have the right to appeal this modification to the Illinois Pollution Control Board within a 35 day period following the modification date shown on the first page of the permit.

Should you have any question or comments regarding the above, please contact Beth Unser of my staff.

Very truly yours,

Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:BAU:99101901.daa

Attachment: Modified Permit

cc: Records
Compliance Assurance Section
Des Plaines Region
US EPA

NPDES Permit No. IL0002186

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Modified (NPDES) Permit

Expiration Date: April 30, 2005

Issue Date: April 24, 2000
Effective Date: May 1, 2000
Modification Date: August 15, 2001

Name and Address of Permittee:

Midwest Generation, LLC
Environmental, Health and Safety Dept.
One Financial Place
440 South LaSalle Street, Suite 3500
Chicago, Illinois 60605

Facility Name and Address:

Midwest Generation, LLC
Crawford Generating Station
3501 South Pulaski
Chicago, Illinois 60603

Discharge Number and Name:

001 Condenser Cooling Water and House Service Water
A01 Demineralizer Regenerant Wastes
B01 Unit #7 and #8 Boiler Blowdown and Boiler Drain
C01 Recirculating Wastewater Treatment System Blowdown
D01 Intake Screen Backwash
002 Area 14 Runoff (Boiler Room Area)

Receiving Waters:

Chicago Sanitary and Ship Canal

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Thomas G. McSwiggin, P.E.
Manager, Permit Section
Division of Water Pollution Control

TGM:BAU:99101901.daa

Modification Date: August 15, 2001

NPDES Permit No. IL0002186

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day 30 DAY AVG.	LOAD LIMITS lbs/day DAILY MAX.	CONCENTRATION LIMITS mg/l 30 DAY AVG.	CONCENTRATION LIMITS mg/l DAILY MAX.	SAMPLE FREQUENCY	SAMPLE TYPE

1. From the modification date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 001 Condenser Cooling Water and House Service Water**

This discharge consists of:	Approximate Flow
1. Condenser Cooling Water	355.71 MGD
2. House Service Water	9.0 MGD
3. Demineralizer Regenerant Wastes	0.035 MGD
4. Boiler Blowdown	0.055 MGD
5. Boiler Drain	Intermittent
6. Recirculating Wastewater Treatment System Blowdown	1.05 MGD
7. Intake Screen Backwash	Intermittent

Flow (MGD)	See Special Condition 1		Daily	Continuous
Temperature	See Special Conditions 3, 4 and 5		Daily	Continuous
Total Residual Chlorine/Total Residual Oxidant*		0.2	1/Week	*Concentration Curve

*See Special Conditions 6 and 17.
**See Special Condition 18.

Modification Date: August 15, 2001

NPDES Permit No. IL0002186

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day 30 DAY AVG.	LOAD LIMITS lbs/day DAILY MAX.	CONCENTRATION LIMITS mg/l 30 DAY AVG.	CONCENTRATION LIMITS mg/l DAILY MAX.	SAMPLE FREQUENCY	SAMPLE TYPE

1. From the modification date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): A01 Demineralizer Regenerant Wastes

This discharge consists of:				Approximate Flow	
1. Demineralizer Regenerant Wastes				0.024 MGD	
Flow (MGD)	See Special Condition 1			Daily	Continuous
Total Suspended Solids		15	30	1/Month	Grab*
Oil and Grease		15	20	1/Year	Grab

*Sample type shall be 8-hour composite if the equalization tank is bypassed for maintenance purposes.

Modification Date: August 15, 2001

NPDES Permit No. IL0002186

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day 30 DAY AVG.	LOAD LIMITS lbs/day DAILY MAX.	CONCENTRATION LIMITS mg/l 30 DAY AVG.	CONCENTRATION LIMITS mg/l DAILY MAX.	SAMPLE FREQUENCY	SAMPLE TYPE

1. From the modification date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): B01 Unit #7 and #8 Boiler Blowdown and Boiler Drain

This Discharge Consists of:					Approximate Flow	
1. Boiler Blowdown 2. Boiler Drain					0.036 MGD Intermittent	
Flow (MGD)	See Special Condition 1				Daily	Continuous
Total Suspended Solids			15	30	1/Month	8-hour Composite
Oil and Grease			15	20	1/Year	Grab

Modification Date: August 15, 2001

NPDES Permit No. IL0002186

Effluent Limitations and Monitoring

PARAMETER	LOAD LIMITS lbs/day 30 DAY AVG.	LOAD LIMITS lbs/day DAILY MAX.	CONCENTRATION LIMITS mg/l 30 DAY AVG.	CONCENTRATION LIMITS mg/l DAILY MAX.	SAMPLE FREQUENCY	SAMPLE TYPE

1. From the modification date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): C01 Recirculating Wastewater Treatment System Blowdown**

This discharge consists of:	Approximate Flow
1. Ash sluice water	0.5 MGD
2. Ash hopper overflow	0.25 MGD
3. Coal pile runoff	Intermittent
4. Non-Chemical metal cleaning wastes	Intermittent
5. Demineralizer filter backwash	0.01 MGD
6. Boiler and turbine building floor drains	0.03 MGD
7. Fuel oil handling area runoff	Intermittent
8. Unit #7 air compressor cooling water	0.14 MGD
9. Coal storage area #2 runoff	Intermittent
10. Settling basin area #3 runoff	Intermittent
11. Ash pile area #18 runoff	Intermittent
12. Yard drainage area #15	Intermittent
13. Ash hopper area #16	Intermittent
14. South detention basin consisting of area runoff from:	Intermittent
a. Transmission terminal areas #5, 6 and 12	
b. Transformer area #7	
c. Oil storage areas #8 and 9	
d. Power block area #11	
e. Dock conveyor area #22	
15. Impounded stormwater from the dredged material disposal facility	Intermittent

Flow (MGD)	See Special Condition 1			Daily	Continuous
pH	See Special Condition 2			1/Week	Grab
Total Suspended Solids		15	30	1/Week	24 Hour Composite
Oil and Grease		15	20	1/Week	Grab
Iron		1.0	1.0	1/Month*	24 Hour Composite
Copper		0.5	1.0	1/Month*	24 Hour Composite

*The sampling frequency for total iron and total copper shall be daily during discharge of non-chemical metal cleaning wastes. At all other times the sampling frequency shall be once per month.
**See Special Condition 18.

Outfall(s): D01 Intake Screen Backwash

See Special Condition 11

Outfall: 002 Area 14 Runoff (Boiler Room Area)

See Special Condition 21.

NPDES Permit No. IL0002186

Special Conditions

SPECIAL CONDITION 1. Flow shall be reported as a daily maximum and monthly average. In the event no discharge occurs during a given month, a statement of "No discharge" shall be reported on the DMR for that month.

SPECIAL CONDITION 2. The pH shall be in the range 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. The receiving waters are designated as Secondary Contact and Indigenous Aquatic Life Waters by Section 302.408, Illinois Administration Code, Title 35, Chapter 1, Subtitle C, as amended. These waters shall meet the following standard:

Temperatures shall not exceed 93°F (34°C) more than 5% of the time, or 100°F (37.8°C) at any time at the edge of the mixing zone which is defined by Rule 302.102 of the above regulations.

SPECIAL CONDITION 4. In lieu of the requirements of Section 302.211(d) and (e), Illinois Administrative Code, Title 35, Subtitle C, as amended, effluent shall not alone or in combination with other sources cause temperatures in the main channel of the Lower Des Plaines River at the I-55 Bridge to exceed the temperatures set forth in the following table, except in accordance with the allowable monthly excursions detailed below:

	Jan	Feb	Mar	Apr 1-15	Apr 16-30	May 1-15	May 16-30	June 1-15	June 16-30	July	Aug	Sept	Oct	Nov	Dec
°F	60	60	65	73	80	85	90	90	91	91	91	90	85	75	65

These standards may be exceeded by no more than 3°F during 2% of the hours in the 12-month period ending December 31, except that at no time shall Midwest Generation's plants cause the water temperature at the I-55 Bridge to exceed 93°F. (Midwest Generation's plants continue to be subject to the Secondary Contact Standards at the point of discharge).

SPECIAL CONDITION 5. Permittee shall comply with all temperature limitations as imposed by the Pollution Control Board's order in AS 96-10, dated October 3, 1996.

SPECIAL CONDITION 6. Total residual oxidant shall not be discharged from any single generating unit for more than two hours per day. The daily mean concentration of total residual oxidant shall be based on a concentration curve. The concentration curve shall be generated using grab samples with a sampling frequency of five minutes or less over the exposure time. The exposure time is defined to be from the point of first detectable measurement to the point of the last detectable measurement of total residual oxidant. Concentration curves shall be submitted with Discharge Monitoring Reports. The frequency and duration of the oxidant dosing period plus the amount of chlorine or bromine applied shall be reported on the Discharge Monitoring Reports. For reporting purposes, the daily discharge shall be the average of all non-zero values measured in a day and the monthly average shall be the average of all daily discharges. Discharge Monitoring Reports shall indicate whether chlorine or bromine compounds were used during the month.

For the purpose of determining compliance, the highest single instantaneous TRC/TRO concentration measured during compliance curve sampling on any day will be regarded as the daily maximum concentration. Total residual oxidant concentration shall be measured and reported in terms of total residual chlorine.

SPECIAL CONDITION 7. This facility has the following discharges of storm water associated with industrial activity:

The east oil water separator and switch house building roof drains, which discharge to the Chicago municipal combined sewer system.

SPECIAL CONDITION 8. There shall be no discharge of polychlorinated biphenyl compounds.

SPECIAL CONDITION 9. There shall be no discharge of complexed metal bearing wastestreams and associated rinses from chemical metal cleaning unless this permit has been modified to include the new discharge.

SPECIAL CONDITION 10. Intake monitoring at Crawford Generating Station pursuant to Section 316(b) of the CWA was not required by USEPA in letters to Commonwealth Edison Company (former owner & permittee) dated February 19, 1975 and June 1, 1976. It is determined that no intake monitoring or modification is being required by IEPA for reissuance of this NPDES Permit.

SPECIAL CONDITION 11. The discharge from Outfall D01 is limited to Chicago Sanitary and Ship Canal make-up water intake screen backwash, free from other discharges. Adequate maintenance of the intake screen system is required to prevent the discharge of floating debris collected on intake screens back to the canal.

Special Conditions

SPECIAL CONDITION 12. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 13. The permittee shall record monitoring results on Discharge Monitoring Report Forms using one such form for each discharge each month.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 28th day of the following month, unless otherwise specified by the permitting authority.

Discharge Monitoring Reports shall be mailed to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
1021 N. Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

SPECIAL CONDITION 14. The upset provisions of 40 CFR 122.41(n) are hereby incorporated by reference.

SPECIAL CONDITION 15. The Agency may modify this permit during its term to incorporate biomonitoring requirements and additional limitations or requirements based on the biomonitoring results. Modifications under this condition shall follow public notice and opportunity for hearing.

SPECIAL CONDITION 16. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

SPECIAL CONDITION 17. A discharge limit of 0.05 mg/l (instantaneous maximum) shall be achieved for total residual oxidant when bromine biocides are used for condenser biofouling control, in accordance with Special Condition 6. Total residual oxidant shall be measured and reported in terms of total residual chlorine. Construction of treatment facilities which may be necessary to meet the limit for total residual oxidant may not be started until a construction permit has been issued by the Agency.

SPECIAL CONDITION 18. The Agency has determined that the effluent limitations in this permit constitute BAT/BCT for storm water which is treated in the existing treatment facilities for purposes of this permit reissuance, and no pollution prevention plan will be required for such storm water. In addition to the chemical specific monitoring required elsewhere in this permit, the permittee shall conduct an annual inspection of the facility site to identify areas contributing to a storm water discharge associated with industrial activity, and determine whether any facility modifications have occurred which result in previously-treated storm water discharges no longer receiving treatment. If any such discharges are identified the permittee shall request a modification of this permit within 30 days after the inspection. Records of the annual inspection shall be retained by the permittee for the term of this permit and be made available to the Agency on request.

SPECIAL CONDITION 19. In the event the permittee shall require the use of water treatment additives not previously used in the station's main condensers, the permittee shall request a modification in the permit in accordance with the standard conditions, Attachment H.

SPECIAL CONDITION 20. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 21. STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

A. A storm water pollution prevention plan shall be developed by the permittee for the storm water associated with industrial activity at this facility. The plan shall identify potential sources of pollution which may be expected to affect the quality of storm water discharges associated with the industrial activity at the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit.

B. The plan shall be completed within 180 days of the effective date of this permit. Plans shall provide for compliance with the terms of the plan within 365 days of the effective date of this permit. The owner or operator of the facility shall make a copy of the plan available to the Agency at any reasonable time upon request.

C. The permittee may be notified by the Agency at any time that the plan does not meet the requirements of this condition. After such notification, the permittee shall make changes to the plan and shall submit a written certification that the requested changes have been made. Unless otherwise provided, the permittee shall have 30 days after such notification to make the changes.

D. The discharger shall amend the plan whenever there is a change in construction, operation, or maintenance which may affect the discharge of significant quantities of pollutants to the waters of the State or if a facility inspection required by paragraph G of this condition indicates that an amendment is needed. The plan should also be amended if the discharger is in violation of any conditions of this permit, or has not achieved the general objective of controlling pollutants in storm water discharges. Amendments to the plan shall be made within the shortest reasonable period of time, and shall be provided to the Agency for review upon request.

E. The plan shall provide a description of potential sources which may be expected to add significant quantities of pollutants to storm water discharges, or which may result in non-storm water discharges from storm water outfalls at the facility. The plan shall include, at a minimum, the following items:

1. A topographic map extending one-quarter mile beyond the property boundaries of the facility, showing: the facility, surface water bodies, wells (including injection wells), seepage pits, infiltration ponds, and the discharge points where the facility's storm water discharges to a municipal storm drain system or other water body. The requirements of this paragraph may be included on the site map if appropriate.

2. A site map showing:

   i. The storm water conveyance and discharge structures;

   ii. An outline of the storm water drainage areas for each storm water discharge point;

   iii. Paved areas and buildings;

   iv. Areas used for outdoor manufacturing, storage, or disposal of significant materials, including activities that generate significant quantities of dust or particulates.

   v. Location of existing storm water structural control measures (dikes, coverings, detention facilities, etc.);

   vi. Surface water locations and/or municipal storm drain locations

   vii. Areas of existing and potential soil erosion;

   viii. Vehicle service areas;

   ix. Material loading, unloading, and access areas.

3. A narrative description of the following:

   i. The nature of the industrial activities conducted at the site, including a description of significant materials that are treated, stored or disposed of in a manner to allow exposure to storm water;

   ii. Materials, equipment, and vehicle management practices employed to minimize contact of significant materials with storm water discharges;

   iii. Existing structural and non-structural control measures to reduce pollutants in storm water discharges;

   iv. Industrial storm water discharge treatment facilities;

   v. Methods of onsite storage and disposal of significant materials;

4. A list of the types of pollutants that have a reasonable potential to be present in storm water discharges in significant quantities.

5. An estimate of the size of the facility in acres or square feet, and the percent of the facility that has impervious areas such as pavement or buildings.

6. A summary of existing sampling data describing pollutants in storm water discharges.

NPDES Permit No. IL0002186

Special Conditions

F. The plan shall describe the storm water management controls which will be implemented by the facility. The appropriate controls shall reflect identified existing and potential sources of pollutants at the facility. The description of the storm water management controls shall include:

1. Storm Water Pollution Prevention Personnel - Identification by job titles of the individuals who are responsible for developing, implementing, and revising the plan.

2. Preventive Maintenance - Procedures for inspection and maintenance of storm water conveyance system devices such as oil/water separators, catch basins, etc., and inspection and testing of plant equipment and systems that could fail and result in discharges of pollutants to storm water.

3. Good Housekeeping - Good housekeeping requires the maintenance of clean, orderly facility areas that discharge storm water. Material handling areas shall be inspected and cleaned to reduce the potential for pollutants to enter the storm water conveyance system.

4. Spill Prevention and Response - Identification of areas where significant materials can spill into or otherwise enter the storm water conveyance systems and their accompanying drainage points. Specific material handling procedures, storage requirements, spill clean up equipment and procedures should be identified, as appropriate. Internal notification procedures for spills of significant materials should be established.

5. Storm Water Management Practices - Storm water management practices are practices other than those which control the source of pollutants. They include measures such as installing oil and grit separators, diverting storm water into retention basins, etc. Based on assessment of the potential of various sources to contribute pollutants, measures to remove pollutants from storm water discharge shall be implemented. In developing the plan, the following management practices shall be considered:

   i. Containment - Storage within berms or other secondary containment devices to prevent leaks and spills from entering storm water runoff;

   ii. Oil & Grease Separation - Oil/water separators, booms, skimmers or other methods to minimize oil contaminated storm water discharges;

   iii. Debris & Sediment Control - Screens, booms, sediment ponds or other methods to reduce debris and sediment in storm water discharges;

   iv. Waste Chemical Disposal - Waste chemicals such as antifreeze, degreasers and used oils shall be recycled or disposed of in an approved manner and in a way which prevents them from entering storm water discharges.

   v. Storm Water Diversion - Storm water diversion away from materials manufacturing, storage and other areas of potential storm water contamination;

   vi. Covered Storage or Manufacturing Areas - Covered fueling operations, materials manufacturing and storage areas to prevent contact with storm water.

6. Sediment and Erosion Prevention - The plan shall identify areas which due to topography, activities, or other factors, have a high potential for significant soil erosion and describe measures to limit erosion.

7. Employee Training - Employee training programs shall inform personnel at all levels of responsibility of the components and goals of the storm water pollution control plan. Training should address topics such as spill response, good housekeeping and material management practices. The plan shall identify periodic dates for such training.

8. Inspection Procedures - Qualified plant personnel shall be identified to inspect designated equipment and plant areas. A tracking or follow-up procedure shall be used to ensure appropriate response has been taken in response to an inspection. Inspections and maintenance activities shall be documented and recorded.

G. The permittee shall conduct an annual facility inspection to verify that all elements of the plan, including the site map, potential pollutant sources, and structural and non-structural controls to reduce pollutants in industrial storm water discharges are accurate. Observations that require a response and the appropriate response to the observation shall be retained as part of the plan. Records documenting significant observations made during the site inspection shall be submitted to the Agency in accordance with the reporting requirements of this permit.

Special Conditions

H. This plan should briefly describe the appropriate elements of other program requirements, including Spill Prevention Control and Countermeasures (SPCC) plans required under Section 311 of the CWA and the regulations promulgated thereunder, and Best Management Programs under 40 CFR 125.100.

I. The plan is considered a report that shall be available to the public under Section 308(b) of the CWA. The permittee may claim portions of the plan as confidential business information, including any portion describing facility security measures.

J. The plan shall include the signature and title of the person responsible for preparation of the plan and include the date of initial preparation and each amendment thereto.

REPORTING

K. The facility shall submit an annual inspection report to the Illinois Environmental Protection Agency. The report shall include results of the annual facility inspection which is required by Part G of the Storm Water Pollution Prevention Plan of this permit. The report shall also include documentation of any event (spill, treatment unit malfunction, etc.) which would require an inspection, results of the inspection, and any subsequent corrective maintenance activity. The report shall be completed and signed by the authorized facility employee(s) who conducted the inspection(s).

L. The first report shall contain information gathered during the one year time period beginning with the effective date of coverage under this permit and shall be submitted no later than 60 days after this one year period has expired. Each subsequent report shall contain the previous year's information and shall be submitted no later than one year after the previous year's report was due.

M. Annual inspection reports shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
Annual Inspection Report
1021 N. Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

N. If the facility performs inspections more frequently than required by this permit, the results shall be included as additional information in the annual report.

ATTACHMENT H

Standard Conditions

Definitions

Act means the Illinois Environmental Protection Act, Ch. 111 1/2 Ill. Rev Stat., Sec. 1001-1052 as Amended.

Agency means the Illinois Environmental Protection Agency.

Board means the Illinois Pollution Control Board.

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L. 92-500, as amended. 33 U.S.C. 1251 et seq.

NPDES (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

USEPA means the United States Environmental Protection Agency.

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge.

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Aliquot means a sample of specified volume used to make up a total composite sample.

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

24 Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

8 Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

(1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

(2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.

(3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(4) **Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

(5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.

(6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62. The filing of a request by the permittee for a permit modification, revocation and reissuance or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

(7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.

(8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency, upon request, copies of records required to be kept by this permit.

(9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency, upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

(d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.

(10) **Monitoring and records.**

(a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. This period may be extended by request of the Agency at any time.

(c) Records of monitoring information shall include:

(1) The date, exact place, and time of sampling or measurements;

(2) The individual(s) who performed the sampling or measurements;

(3) The date(s) analyses were performed;

(4) The individual(s) who performed the analyses;

(5) The analytical techniques or methods used; and

(6) The results of such analyses.

(d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.

(11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified.

(a) Application. All permit applications shall be signed as follows:

(1) **For a corporation:** by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation;

(2) **For a partnership or sole proprietorship:** by a general partner or the proprietor, respectively; or

(3) **For a municipality, State, Federal, or other public agency:** by either a principal executive officer or ranking elected official.

(b) Reports. All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described in paragraph (a); and

(2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and

(3) The written authorization is submitted to the Agency.

(c) **Changes of Authorization.** If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.

(12) **Reporting requirements.**

(a) **Planned changes.** The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility.

(b) **Anticipated noncompliance.** The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(c) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(d) **Monitoring reports.** Monitoring results shall be reported at the intervals specified elsewhere in this permit.

(1) Monitoring results must be reported on a Discharge Monitoring Report (DMR).

(2) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.

(3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.

(e) **Twenty-four hour reporting.** The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times; and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following shall be included as information which must be reported within 24 hours:

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit;

(2) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit to be reported within 24 hours;

The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

(f) **Other noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs (12)(c), (d), or (e), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12)(e).

(g) **Other information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.

(13) **Transfer of permits.** A permit may be automatically transferred to a new permittee if:

(a) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date;

(b) The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittees; and

(c) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.

(14) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:

(a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:

(1) One hundred micrograms per liter (100 ug/l);

(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;

(3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or

(4) The level established by the Agency in this permit.

(b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.

(15) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:

(a) Any new introduction of pollutants into that POTW from an indirect discharger which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and

(b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.

(c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

(16) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:

(1) User charges pursuant to Section 204(b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;

(2) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and

(3) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.

(17) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.

(18) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.

(19) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.

(20) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $10,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, or 308 of the Clean Water Act is subject to a fine of not less than $2,500, nor more than $25,000 per day of violation, or by imprisonment for not more than one year, or both.

(21) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under permit shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

(22) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit shall, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than $10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

(23) Collected screening, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.

(24) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.

(25) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board.

(26) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

EXHIBIT – I

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

July 28, 2010

Midwest Generation Crawford Generating Station Petitioner, v. ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, Respondent.	)	IEPA – 11-01 (Provisional Variance-Water)

Re: Provisional Variance From Effluent Limits Contained in NPDES Permit IL0002186 For Outfall CO1

Dear Ms. Brock:

The Illinois Environmental Protection Agency (Agency) has completed its technical review of the attached provisional variance request, dated July 26, 2010 (Attachment A) submitted by the Midwest Generation for its Crawford Generating Station. Midwest Generation has requested a variance so that it will be able to remove water from the basements of its turbine room and crusher house. Water entered the basements as the result of a severe storm that occurred on July 23 and July 24 in the Chicago area.

Based on its review, the Agency GRANTS the Midwest Generation a provisional variance for its Crawford Generating Station, subject to the specific conditions set forth below.

Background

Midwest Generation owns and operates a coal-fired steam electric generating facility (Crawford Generating Station) located in Chicago, Illinois. On July 23 and July 24, 2010, the Chicago area was hit by a very severe thunderstorm that resulted in some areas receiving over 7 inches of rain. This storm caused the basements of the turbine building and the crusher house at the Crawford Generating Station to flood, which in turn caused both units of the generating plant to trip off. Midwest Generation estimates that

approximately 3.5 million gallons of water are in the basements. The existing treatment plant lacks the capacity to provide full treatment to the flood waters in the basements, and all storage capacity at the plant has been utilized. Midwest Generation is therefore seeking a variance to allow it to discharge this water back to the Chicago and Sanitary Canal without the water receiving full treatment. The provisional variance requested is only for Outfall C01 (Recirculating Wastewater Treatment System Blowdown) and only for the parameters of Total Suspended Solids (TSS) and Oil and Grease. Midwest Generation will continue to meet all other effluent parameters of NPDES permit IL0002186 (Attachment B).

Relief Requested

The Midwest Generation Crawford Generating Station seeks a provisional variance from the effluent limits for TSS and Oil and Grease required in NPDES permit IL0002186 for Outfall C01. Based on the very poor canal water quality associated with the storm, Midwest Generation anticipates that the TSS will be in the 50-100 mg/L range, and that the oil and grease concentration will be in the 30-50 mg/L range. Current permit limits for the parameters requested in this variance for Outfall C01 require:

Parameter	Monthly Avg. (mg/l)	Daily Max. (mg/l)
TSS	15	30
Oil and Grease	15	20

Agency Determinations

The Agency has reviewed the requested provisional variance and has concluded the following:

1. Any environmental impact from the requested relief shall be closely monitored, and the Agency shall be immediately notified of any adverse impacts.

2. No reasonable alternatives appear available;

3. No public water supplies should be affected;

4. No federal regulations will preclude the granting of this request; and

5. Midwest Generation will face an arbitrary and unreasonable hardship if the request is not granted.

Conditions

The Agency hereby GRANTS Midwest Generation Crawford Generating Station a provisional variance from the effluent limits of TSS and Oil and Grease required in NPDES Permit IL0002186 for Outfall C01, subject to the following conditions:

A. The provisional variance shall begin on July 27, 2010, and shall end no later than August 10, 2010.

B. Midwest Generation shall provide the best operation of its treatment plant to produce the best effluent possible at all times. At no times shall the effluent exceed TSS of 100 mg/l and Oil and Grease of 50 mg/l.

C. Midwest Generation shall closely monitor the Chicago Sanitary and Ship Canal and immediately notify the Agency of any adverse environmental impacts as a result of this discharge.

D. Midwest Generation shall notify Roger Callaway of the Agency by telephone at 217/782-9720 when the discharge specified in this provisional variance is completed and the facility returns to normal operation. Written confirmation shall be sent within five days to the following address:

Illinois Environmental Protection Agency
Bureau of Water - Water Pollution Control
Attention: Roger Callaway
1021 North Grand Avenue East, MC #19
Springfield, Illinois 62794-9276

E. Midwest Generation shall sign a certificate of acceptance of this provisional variance and forward that certificate to Roger Callaway at the address indicated above within one day of the date of this order. The certification should take the following form:

I (We)_____, hereby accept and agree to be bound by all terms and conditions of the provisional variance granted by the Agency in _____dated _____.

_____
Petitioner

_____
Authorized Agent

_____
Title

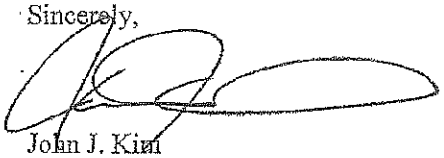
_____
Date

Midwest Generation shall continue to monitor all parameters and all comply with all other conditions specified in its NPDES Permit No. IL0002186.

Conclusion

The Agency grants this provisional variance in accordance with its authority contained in Sections 35(b), 36 (c), and 37(b) of the Illinois Environmental Protection Act (415 ILCS 5/35(b), 36(c), and 37(b) (2004). The decision to grant this provisional variance is not intended to address compliance with any other applicable laws or regulations.

Sincerely,



John J. Kim
Chief Legal Counsel

cc: Marcia Willhite
Roger Callaway
Vera Herst

From: (773) 650-5543
GERALD DELANEY
MIDWEST GENERATION
Crawford Station
3501 S Pulaski Rd.
CHICAGO, IL 60623

Origin ID: BDFA

FedEx Express

J11201108050225

Ship Date: 02DEC11
ActWgt: 1.0 LB
CAD: 2198669/INET3210

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (312) 353-2000 BILL SENDER

Ms. Diane Sharrow
U.S.Environmental Protection Agency
Region 5
77 West Jackson Blvd., LR-8J
Chicago, IL 60604

MON - 05 DEC A1
PRIORITY OVERNIGHT

TRK# 7977 9727 6254
0201

79 CHIA

60604
IL-US
ORD

50FG1/8C50/F5F4

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic valueof the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Midwest Generation - Crawford ILD044231470 DRS Photograph 33

bcc: Susan Tennenbaum, ORC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

OCT 14 2011

REPLY TO THE ATTENTION OF:

LR-8J

CERTIFIED MAIL 7009 1680 0000 7665 4302
RETURN RECEIPT REQUESTED

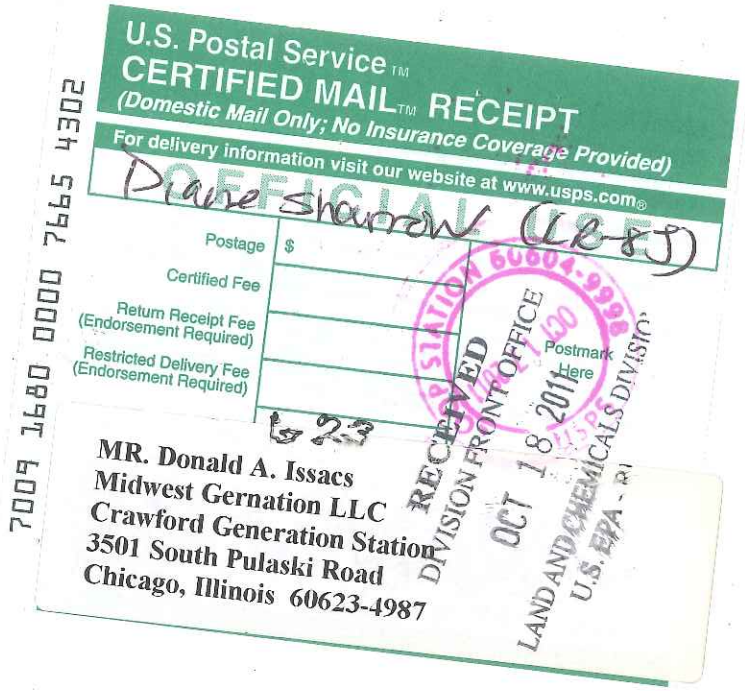
Mr. Donald A. Isaacs
Environmental Specialist
Midwest Generation LLC
Crawford Generation Station
3501 South Pulaski Road
Chicago, Illinois 60623-4987

Re: Information Request
Midwest Generation LLC
Crawford Generation Station
EPA ID. NO.: ILD 044 231 470

Dear Mr. Isaacs:

On August 8, 2011, a representative of the U.S. Environmental Protection Agency (EPA) inspected the Crawford Generation Station facility owned by Midwest Generation LLC (Midwest Generation or you) located in Chicago, Illinois (the facility). The purpose of the inspection was to evaluate Midwest Generation's compliance with certain provisions of the Resource Conservation and Recovery Act (RCRA): specifically, those regulations related to the generation, treatment, and storage of hazardous waste, including used oil.

By this letter, EPA is issuing this Information Request to you under Section 3007 of RCRA, 42 U.S.C. § 6927. Section 3007 authorizes the Administrator of EPA to require you to submit certain information. This Information Request requires Midwest Generation to submit certain information relating to the generation of hazardous wastes and used oil at the facility referenced above by EPA Identification Number and located in Chicago, Illinois. We are requiring this information to determine Midwest Generation's compliance status under Sections 3002 through 3006 of RCRA, 42 U.S.C. §§ 6922 through 6926, the regulations at 40 C.F.R. §§ 260-265, and under the requirements of the Illinois Administrative Code (IAC). EPA may use the submitted information in an administrative, civil, or criminal action.


U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®
OFFICIAL USE
Postage $
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Postmark Here
7009 1680 0000 7665 4302
MR. Donald A. Issacs
Midwest Gernation LLC
Crawford Generation Station
3501 South Pulaski Road
Chicago, Illinois 60623-4987
RECEIVED
OCT 18 2011
DIVISION FRONT OFFICE
LAND AND CHEMICALS DIVISION
U.S. EPA - R5

The enclosure specifies the information you must submit. You must submit this information within **30 CALENDAR DAYS** of receiving this request to the United States Environmental Protection Agency, at the following address:

Diane M. Sharrow
Land and Chemicals Division
RCRA Branch
Compliance Section 1
77 West Jackson Boulevard, LR-8J
Chicago, Illinois 60604

The information must be provided notwithstanding its possible characterization as confidential information or trade secrets. You may, under 40 C.F.R. Part 2, Subpart B, assert a business confidentiality claim covering all or part of the information in the manner described in 40 C.F.R. § 2.203(b). We will disclose the information covered by a business confidentiality claim only to the extent and by means of the procedures at 40 C.F.R. Part 2, Subpart B. You must make any request for confidentiality when you submit the information since any information not so identified may be made available to the public without further notice.

Under Section 3008 of RCRA, 42 U.S.C. § 6928, and 40 C.F.R. Part 19, EPA is authorized to seek civil penalties of up to $37,500 per day against Midwest Generation for failing or refusing to submit all of the information specified in this Information Request. Further, under 18 U.S.C. § 1001, you may be fined or imprisoned for up to five years for knowingly or willfully: (1) falsifying, concealing, or covering up a material fact; (2) making any material false, fictitious, fraudulent statement or representation; or (3) making or using any false writing or document knowing it contains any materially false, fictitious, or fraudulent statement.

Midwest Generation must submit all information specified in this Information Request under the signature of an authorized representative certifying that the information is true and complete to the best of the signatory's knowledge and belief. Should the signatory find, at any time after submitting the requested information, that any portion of the submitted information is false, misleading, or incomplete, the signatory must immediately notify Ms. Sharrow at the above address.

This Information Request is not subject to the Paperwork Reduction Act, 44 U.S.C. §§ 3501 *et seq.*, because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation.

You should direct questions about this Information Request to Diane Sharrow at (312) 886-6199.

Sincerely,

Lorna M. Jereza, Chief
Compliance Section 1

Enclosure

cc: Todd.Marvel@illinois.gov

INFORMATION REQUEST

Instructions:

Each item of this Information Request refers and relates to Midwest Generation LLC, and the Crawford Generating Station (Midwest Generation or you) and/or its facility located at 3501 South Pulaski Road, Chicago, Illinois (the facility). You must respond separately to each item of this Information Request. Precede each response with the number of the Information Request item to which it corresponds. For each document produced in response to this Information Request, specify on the document, or in some other reasonable manner, the number of the item to which it responds.

Definitions:

The following definitions apply to this Information Request. The following definitions have been taken from the Illinois Administrative Code Part 702, *et seq.* Corresponding federal definitions may be found in the Code of Federal Regulations, 40 C.F.R. § 260.10.

1. "**Authorized representative**" means the person responsible for the overall operation of a facility or an operational unit (i.e., part of a facility), e.g., the plant manager, superintendent, or person of equivalent responsibility.

2. "**Certification**" means a statement of professional opinion based upon knowledge and belief.

3. "**Facility personnel**" means all persons who work at, or oversee the operations of, a hazardous waste facility, and whose actions or failure to act may result in noncompliance.

4. "**Operator**" means the person responsible for the overall operation of a facility.

4. "**Owner**" means the person that owns a facility or part of a facility.

5. "**Person**" means an individual, trust, firm, joint stock company, federal agency, corporation (including a government corporation), partnership, association, state, municipality, commission, political subdivision of a state, or any interstate body.

6. "**Personnel**" or "**facility personnel**" means all persons who work at or oversee the operations of a hazardous waste facility and whose actions or failure to act may result in noncompliance with 35 Ill. Adm. Code § 724 or 725.

7. "**RCRA**" means the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6901 *et seq.*).

Items of Request:

1. Identify all persons consulted in preparing the answers to this Request for Information.

2. Provide the full name and title for each person identified in response to Item 1.

3. Provide a complete copy of engineering plans or specifications for the two ponds or impoundments identified in the attached aerial photograph.

4. Provide a diagram or specifications of any piping utilized to place solid or liquid materials or wastes into the two ponds or impoundments identified in the attached aerial photograph.

5. Provide an inventory or list of all solid or liquid materials or wastes placed into the two ponds or impoundments in the last year via piping, as well as any other mechanism, device or method of placement.

6. Identify the origin of all solid or liquid materials or wastes placed into the two ponds or impoundments in the last year via piping, as well as any other mechanism, device or method of placement.

7. Specify the date(s) in the past three years when any solid or liquid materials or wastes were placed in the two ponds or impoundments identified in the attached aerial photograph.

8. Provide a copy of any analysis of any solid or liquid materials or wastes that have been placed in the two ponds or impoundments identified in the attached aerial photograph.

9. Provide a diagram or specifications of any piping, mechanism, device or method utilized to remove any solid or liquid materials or wastes from the two ponds or impoundments identified in the attached aerial photograph.

10. Identify all solid or liquid materials or wastes that have been removed in the past three years from the two ponds or impoundments identified in the attached aerial photograph.

11. Identify the origin of all solid or liquid materials or wastes that have been removed from the two ponds or impoundments in the past three years via piping, as well as by any other mechanism, device or method of placement.

12. Specify the date(s) in the past three years when any solid or liquid materials or wastes that were removed from the two ponds or impoundments identified in the attached aerial photograph.

13. Provide a copy of any analysis of any solid or liquid materials or wastes that have been removed from the two ponds or impoundments identified in the attached aerial photograph.

14. Identify where all solid or liquid materials or wastes removed in the past three years from the two ponds or impoundments identified in the attached aerial photograph were sent, and whether the solid or liquid materials or wastes were treated, recycled or disposed.

15. Provide the names and employers of all personnel who placed or removed solid or liquid materials or wastes in the two ponds or impoundments identified in the attached aerial photograph in the past three years.

17. Identify the names and purpose of all the structures located on the two ponds or impoundments, or immediately adjacent to or on the perimeter of the two ponds or impoundments, including any manholes, wells, or subterranean structures.

18. Provide the following certification by a responsible corporate officer:

> I certify under the penalty of law that I have examined and am familiar with the information submitted in responding to this information request for production of documents. Based on my review of all relevant documents and inquiring of those individuals immediately responsible for providing all relevant information and documents, I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

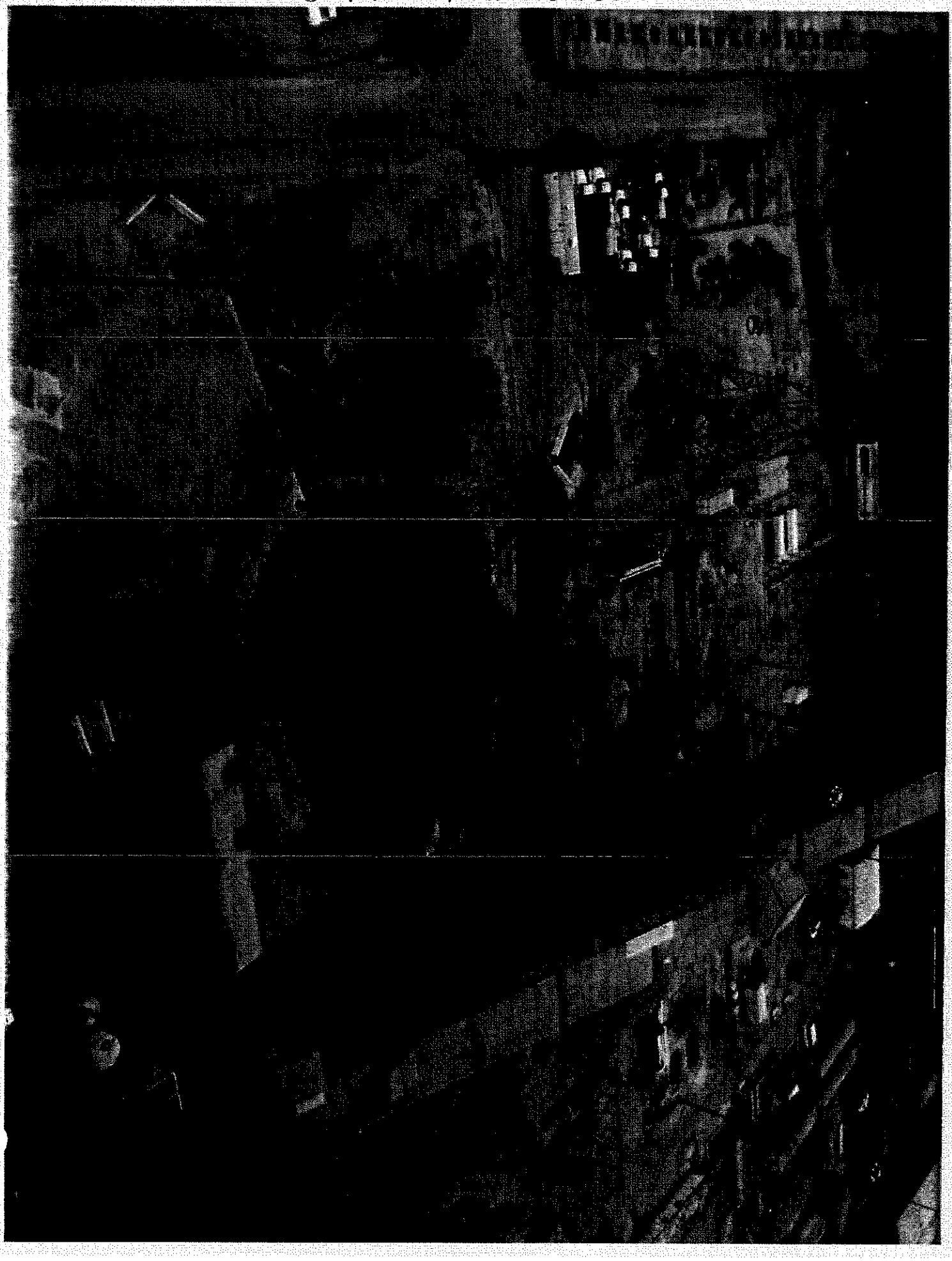
_____ _____

Date Signature of Corporate Officer, Title

ATTACHMENT

MIDWEST GENERATION LLC, CRAWFORD GENERATING STATION
3501 South Pulaski Road, Chicago, Illinois
USEPA ID. NO.: ILD 044 231 470

ILD 044 231 470 Midwest Generation



ILD 044 231 470 Midwest Generation

MIDWEST GENERATION℠

An *EDISON INTERNATIONAL*® Company

United States Environmental Protection Agency
Diane M. Sharrow
Land and Chemicals Division
RCRA Branch
Compliance Section 1
77 West Jackson Boulevard, LR-8J
Chicago, IL 60604

CERTIFIED MAIL # 7003 3110 0001 1239 5608

Subject: Response to Information Request dated October 14, 2011

Dear Ms. Sharrow:

Midwest Generation's Crawford Generation Station is in receipt of your above referenced information request and provides the following answers to the items requested. Please contact me at 773-650-5412 if you have any questions.

Sincerely,

Michael Hanrahan
Managing Director – Fisk and Crawford Stations

Midwest Generation, LLC
Crawford Generating Station
3501 S. Pulaski Road
Chicago, IL 60623
Phone: (773) 650-5489
Fax: (773) 650-5136

MIDWEST GENERATION, LLC'S RESPONSE TO INFORMATION REQUEST

1. Identify all persons consulted in preparing the answers to this Request for Information.

RESPONSE: See response to Request No. 2 below.

2. Provide the full name and title for each person identified in response to Item 1.

RESPONSE:

Staff of Fisk and Crawford Stations, Midwest Generation, LLC

Donald A. Isaacs	Environmental Specialist
Gerald Delaney	Engineering Manager
Pete Errichiello	Operations Manager
Robert Chmieleski	Environmental Specialist (Now at Waukegan)
Elizabeth Alvarez	Chemical Specialist
Mike Connolly	Project Manager
Cliff Malatase	Balance of Plant Engineer
Ken Wohler	Coal Handling Supervisor
Michael Hanarahan	Managing Director – Fisk and Crawford Stations

Staff of Midwest Generation, LLC

Christopher M. Foley	Counsel, Midwest Generation, LLC
Basil Constantelos	Managing Director
Maria Race	Environmental Engineering Program Director,
Luke Ford	Environmental Engineer, Sr
Joe Bocian	Project Management
Robert Chmieleski	Environmental Specialist – Waukegan Station

Outside Environmental Counsel

Susan M. Franzetti	Attorney, Nijman Franzetti LLP

Outside Contractors

Jeremy Nelson	Supervisor - Veolia Environmental Services
Pat Oliver	Supervisor – Veolia Environmental Services
Tim E. Casey	Contractor (self) – PerSe Employment Agency
Glen Manny	Supervisor – G.J. Beemsterboer Inc.
Michael Chiappetti Jr	Driver – Future Environmental Inc.

3. Provide a complete copy of engineering plans or specifications for the two ponds or impoundments identified in the attached aerial photograph.

RESPONSE: We have included plans and specification per your request, but they are outdated and do not reflect current conditions. Accordingly, we are providing more detailed information to accompany those documents. An Area Plan is provided in Attachment 1, Figure #1A and Figure #1B is the 1999 schematic (from our NPDES Permit application) which describes how this South Detention Basin fits into our facility.

The ponds identified in the attached aerial photograph are known as Crawford's Stormwater Basin 9, also referred to at times as "Pit 9" or "the "South Detention Basin." The plans and specification for South Detention Basin identified in the Crawford Station historical records are from the period when the present system of basins and wastewater treatment facilities were designed and constructed for Commonwealth Edison in the 1970's. Stormwater Basin drainage areas, potential runoff volumes, as well as pumping rates, basin elevations, and pump chamber configuration are summarized on two tables in Attachment 2: Table 4-1 Runoff Collection Areas and Pumps System Description and Table 4-2 Pump Pits, as excerpted from a document entitled "System Description and Instruction Manual for the Wastewater Control and Treatment Facilities" by Fluor Pioneer Inc, dated April 3, 1978 (the "System Description and Instruction Manual"). The information in Table 4-1 (Attachment 2) indicates that South Detention Basin was engineered for a capacity based on historical 10-year, 24-hour rainfall.

The historical station records also indicate that in approximately 1993, a concrete wall/weir was designed for construction across South Detention Basin and an oil water separator was to be constructed immediately upstream of the Basin 9 inlet. The enclosed Attachment 3, Drawing Number 13.43-13, shows a 12,000 gallon oil water separator was installed for the 12.5kV Switchyard (the "Peaker Yard"). As described in enclosed Attachment 4, "Peaker Yard Diagram with Description", Shift Engineers Memo dated Nov. 8, 1994, as part of a "recent peaker renovation project, the peaker yard wastewater collection system was revised to improve collection and handling of oil leaks around the peakers." The "new oil/water separator" was installed "on the southwest side of Pit #9" to retain oil in the separator while water flows out into Pit #9 (*i.e.*, South Detention Basin). In addition, a wall was installed in Pit #9 to further prevent oil from reaching the pit pumps and being pumped to the wastewater treatment plant. Our review of the station's historical records did not reveal any further description or diagram of the concrete wall/weir. It is also unknown when Basin 9 was altered to have the "pre-chamber" shown in the referenced photo provided by the EPA. Based on information and belief, the former owner, Commonwealth Edison installed the pre-chamber sometime between 1993 and 1999 to provide additional oil separation for the stormwater collected in the basin. The diagram shown in Attachment 4 describes manholes and catchbasins (also known as "vaults") in the Peaker Yard as well as their flow pattern toward the oil water separator upstream of South Detention Basin.

The peakers and peaker fuel tank previously located in the Peaker Yard were permanently retired in 2006. Demolition began August 9, 2006. See enclosed Attachment 5: MWGen letter to the IEPA dated October 16, 2006.

Stormwater flows from the south to the north basin via a pipe near the bottom of the south basin. The north basin is also split into 2 parts by a weir designed to prevent floating oil from the surface of the collected stormwater being conveyed to the equalization basins for additional treatment prior to discharge. The weir has a gate valve in the middle of the wall, below the normal waterline, which allows stormwater to pass through south to north, with the weir serving to retain oil present on the stormwater surface upstream in the south basin.

At the north end of the north basin, water pumps convey South Detention Basin effluent to either of the two equalization basins, known as Basins 21-1 or 21-2, as shown on Attachment 1. The wastewater treatment system includes coagulation, flocculation and settling in the wastewater clarifiers before discharge to the Crawford permitted outfall under its NPDES Permit.

4. Provide a diagram or specifications of any piping utilized to place solid or liquid materials or wastes into the two ponds or impoundments identified in the attached aerial photograph.

RESPONSE: The piping associated with South Detention Basin is used for the purpose of conveying stormwater into the basin. The piping to South Detention Basin is from the following sources: stormwater runoff/drainage from the former Peaker Yard and pumping sources from the discharges from several other stormwater detention basins.

Gravity discharges to South Detention Basin in the former Peaker Yard are from several drains and vaults, as described on Attachment 4. As shown, the former Peaker Yard drains into the oil/water separator by gravity via 8" piping and then discharges into South Detention Basin through 8" piping.

The other stormwater basins that are pumped to South Detention Basin are known as Pit 5, Pit 6, Pit 7, Pit 8, Pit 12, and Pit 22. Enclosed Attachment 6 contains the Waste Water Treatment Flow Diagram CE-CR-99 WWF-0101-D. The diagram shows that these stormwater basins are pumped to South Detention Basin via piping from the above-referenced pumping stations which discharge to Basin 9 at an 18-inch pipe with motor-operated valve. The basin is intended to provide a large storage volume to allow of settling of solids and separation of any stormwater related oil. If oil sheen is present, it is absorbed into floating absorbant booms. The South Detention Basin pumps then transfer the collected stormwater to the wastewater equalization basins for further treatment prior to discharge to the Chicago Sanitary & Ship Canal pursuant to the Crawford Station's NPDES Permit.

Other diagrams are shown in Attachment 6 which detail the stormwater wastewater treatment system, pump pits, vaults and inlet to South Detention Basin

Piping specifications for the 1978 stormwater wastewater system were unavailable from design or other Commonwealth Edison records.

5. Provide and inventory or list of all solid or liquid materials or wastes placed into the two ponds or impoundments in the last year via piping, as well as any other mechanism, device or method of placement.

RESPONSE: In the last year, the South Detention Basin received liquid materials from stormwater runoff and the regular wash down of nearby coal conveyors. No solid or liquid materials or wastes were "placed into" South Detention Basin other than stormwater The Crawford station does not maintain an inventory or list of such stormwater runoff events. A listing of Chicago weather data from the past 12 months from Chicago O'Hare Airport is provided in Attachment 7. The daily rain and snowfall events recorded in the weather data roughly approximate when stormwater runoff may have entered South Detention Basin. Actual annual rain volume pumped from South Detention Basin is estimated, based on runoff coefficients in Attachment 2, to be approximately 15 MM gallons of stormwater.

Operations of Crawford's coal handling also includes washdown with hoses of coal conveyors on a weekly, or at times, twice a week basis. Since this includes Conveyor 4, the drainage of Conveyor 4 washdown would flow to the bottom of what is called the Conveyor 4 House (in the right of the provided picture). This washdown causes coal fines and water runoff into the northside of the north Basin 9. An estimate of the water volume is not known. Washdown of other conveyors and coal handling equipment would also cause flow to basins which flow to Basin 9.

6. Identify the origin of all solid or liquid materials or wastes placed into the two ponds or impoundments in the last year via piping, as well as any other mechanism, device or method of placement.

RESPONSE: The origin is addressed with the responses to Request Nos. 4 and 5 above.

7. Specify the date(s) in the past three years when any solid or liquid materials or wastes were placed in the two ponds or impoundments identified in the attached aerial photograph.

RESPONSE: Crawford would refer to rain events over the past 3 years to approximate when stormwater flowed into Basin 9. See Table 2 in Attachment 7 for 3-year rainfall summary as well as 36 months of individual daily data. Data in Attachment 7 was provided by Daily Rain Events at Chicago O'Hare National Climatic Data Center since Crawford does not monitor water volume to South Detention Basin or facility rain events.
The events beyond normal rainfall are summarized in Table #4 (See Attachment #9) and are described below in better detail.

As mentioned in Question 5 above, coal conveyor wash down is regularly done on a weekly or bi-weekly basis. The facility has no records of specific dates over the past 3 years, however wash down of #4 conveyor resulted in coal solids and wash down water draining to the South Detention Basin.

Crawford Station experienced a flood on July 24, 2010 due to heavy rainfall. From the US Weather Service records, 6.43 inches of rain fell at Chicago's O'Hare Airport on July 23 – 24th, 2010. This resulted in local street flooding surrounding the Crawford Station, as well as flood conditions in the adjacent Chicago Sanitary and Ship Canal. Extensive flooding at the Crawford Station occurred, including the flooding of Canal water into Crawford's turbine basement. Crawford's basement was flooded to a peak height of 7 feet, 9 inches, with an estimated volume of 2.5 million gallons. Because of the flooding, Crawford's turbine lube oils stored in the basement were displaced. This oil was skimmed directly off the top of the basement water for disposal. During removal, Future used a truck to suck up oil from the basement and water would also be drawn in at times. This water would be decanted from the bottom of Future Environmental's truck into the South side of Basin 9. These events are described in Table #4 as "Oily Water". The flow is an estimate based on recollection of Future Environmental personnel.

All remaining water in the basement was pumped out for on-site wastewater treatment into either the South Detention Basin or Pit 15 after first passing through a rented, temporary oil/water separator that was placed outside of the basement. This pumping is not normally performed, however, Crawford had received an emergency variance due to the extreme weather conditions in order to render treatment to the turbine basement water (see Attachment 12.) This pumping of the flood waters from the turbine basement through the oil/water separator to the wastewater treatment system continued until August 9, 2010. This flow was during the flood water processing and daily sampling was conducted by Crawford at the point of discharge from the wastewater treatment system, which is denoted as "Outfall C01" in the Crawford NPDES Permit. During the time that the flood waters were pumped from the Crawford turbine basement, the sampling results showed no exceedances of the applicable discharge limits. These flows are called "Stormwater" in Table #4 of Attachment #9.

Crawford utilized an oil dispersant called Accell Clean to enhance removal of the oil after the flood. Canal water was treated as well as water in Basin 9. A total of nine (9) 55-gallon drums of Accell Clean were utilized during the flood recovery operations mostly in the turbine basement or added directly to the surface of the South Detention Basin. See Attachment #8 for MSDS on Accell Clean.

8. Provide a copy of any analysis of any solid or liquid materials or wastes that have been placed in the two ponds or impoundments identified in the attached aerial photograph.

RESPONSE: Stormwater runoff that enters Basin 9 is not analyzed. After exiting, South Detention Basin and treatment in the wastewater treatment system, the effluent discharged is analyzed pursuant to the requirements of the NPDES Permit. During the flood water processing in September 2010, daily sampling was conducted at the treated wastewater discharge Outfall C01. Crawford met all the discharge limits for the applicable parameters. Please advise whether

you wish to have copies of any of the analytical results for the treated effluent discharge at Outfall C01and, if so, for what period of time.

Any oil contaminated water from our flood restoration period would have contained each of the following three turbine oils utilized (MSDS Sheets for each are found in Attachment #8).

9. Provide a diagram or specifications of any piping, mechanism, device or method utilized to remove any solid or liquid materials or wastes from the two ponds or impoundments identified in the attached aerial photograph.

RESPONSE: Water pumps convey South Detention Basin effluent to either of the two equalization basins, Basins 21-1 or 21-2, as shown on Attachment 1. See also the diagrams included in Attachment 7. Solids have been removed on two occasions from South Detention Basin by using a backhoe. MWG does not have a diagram or specifications for the type of backhoe used. After the 2010 flooding event described in Response No. 7, a vacuum truck was used to skim material from the surface of South Detention Basin. MWG does not have a diagram or specifications for the vacuum trucks. MWG does not use any piping or other mechanism, device or method to remove any solid or liquid materials or wastes from Basin 9.

10. Identify all solid or liquid materials or wastes that have been removed in the past three years from the two ponds or impoundments identified in the attached aerial photograph.

RESPONSE: See Table #5: Crawford 3-Year Summary of Removals from South Detention Basin in Attachment #9.

Basin solids in the south, or pre-chamber to the South Detention Basin (Pit 9) were removed via backhoe in September 2011 and disposed of at Waste Management landfill. Solids with Coal fines were removed from the north portion of the South Detention Basin in October 2010 and spread on the Crawford coal pile to recycle the removed coal.

Liquids include the stormwater runoff into South Detention Basin which was pumped out of Stormwater Basin 9 into the Crawford Station equalization basins as stormwater runoff events occurred over the past 3 years. The pumped flood water from the turbine basement to South Detention Basin in 2010 also was pumped into the equalization basins between July 24th and August 9th. Following the pumping of the flood water from the turbine basement into South Detention Basin, oily water was skimmed from the surface in October 2010. Records on Table #5 are an estimate since not all oily wastewater manifests specified removal from the South Detention Basin.

11. Identify the origin of all solid or liquid materials or wastes that have been removed in the past three years from the two ponds or impoundments in the past three years via piping, as well as by any other mechanism, device or method of placement.

RESPONSE: The origin of the materials removed from South Detention Basin in the past three years resulted from stormwater runoff in the drainage area around South Detention Basin, coal fines from washing the nearby coal conveyor and from the flood caused by the rain event in July 2010 which caused the Chicago Sanitary and Ship Canal surface water to flood Crawford's turbine basement. The origin of wastes removed are identified in Table #5 in Attachment 9.

12. Specify the date(s) in the past three years when any solid or liquid materials or wastes that were removed from the two ponds or impoundments identified in the attached aerial photograph.

RESPONSE: For the stormwater pumped from South Detention Basin to the equalization basins, this pumping occurred on a regular basis following storm events over the past three years. MWG does not record dates on which there are storm events. In Attachment 7 is a set of weather records showing storm events in the Chicago area For wastes the dates are specified in Table 5 in Attachment #9.

13. Provide a copy of any analysis of any solid or liquid materials or wastes that have been removed from the two ponds or impoundments identified in the attached aerial photograph.

RESPONSE: After exiting South Detention Basin and treatment in the wastewater treatment system, the effluent discharged is comingled with other liquid streams and analyzed pursuant to the requirements of the NPDES Permit. During the flood water processing in September 2010, daily sampling was conducted at the treated wastewater discharge Outfall C01. Crawford met all the discharge limits for the applicable parameters. Please advise whether you wish to have copies of any of these NPDES permit effluent analytical results for the treated effluent discharge at Outfall C01and, if so, for what period of time.

In September 2011, the solids were removed by backhoe for landfill disposal under existing Waste Management profile number 102614IL, "Bottom Ash Fines from Settling Basins." The profile analytical results were based on a July 20, 2009 sample of similar material in Stormwater Basin 1 at the Crawford Station. See Attachment 10 for analytical and profile data.

14. Identify where all solid or liquid materials or wastes removed in the past three years from the two ponds or impoundments identified in the attached aerial photograph were sent, and whether the solid or liquid materials or wastes were treated, recycled or disposed.

RESPONSE: The water pumped from South Detention Basin to the equalization basins is treated and then discharged at Outfall C01 to the Chicago Sanitary & Ship Canal. See Table 5 in Attachment 9 for summary of where solid or liquid materials removed from South Detention Basin were treated recycled or disposed of.

15. Provide the names and employers of all personnel who placed or removed solid or liquid materials or wastes in the two ponds or impoundments identified in the attached aerial photograph in the past three years.

RESPONSE: MWG can provide a list of every operator at Crawford Station, however it is unreasonable and unnecessary. MWG does not know which employees were operating in that capacity and at what time. MWG is listing below the contractors and the responsible Supervisors that have placed or removed materials to the best of our information and knowledge.

Outside Contractors	
Jeremy Nelson	Supervisor - Veolia Environmental Services
Tim E. Casey	Contractor (self) – Perse Employment Agency
Glen Manny	Supervisor – G.J. Beemsterboer Inc.
Michael Chiappetti Jr	Driver – Future Environmental Inc.

16. [NOTE: There was no request numbered "16" in the USEPA's Information Request.]]

17. Identify the names and purpose of all the structures located on the two ponds or impoundments, or immediately adjacent to or on the perimeter of the two ponds or impoundments, including any manholes, wells, or subterranean structures.

RESPONSE: See Diagram in Attachment 11. See also answer to #4 above with reference to Attachment 6. See also in Attachment 11 -Table #6 : Identity and Purpose of Structures

18. Provide the following certification by a responsible corporate officer:

> I certify under the penalty of the law that I have examined and am familiar with the information submitted in responding to this information request for production of documents. Based on my review of all relevant documents and inquiring of those individuals immediately responsible for providing all relevant information and documents, I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

_____ _____

Date Signature of Corporate Officer, Title

RESPONSE: Section 3007 of RCRA, 42 U.S.C. §6927 does not grant U.S. EPA the authority to require a certification of this type in an information request. MWGen respectfully declines to provide this certification. MWGen further submits that the requirement to submit the certification is unreasonable under the relevant facts and circumstances. For example, certain of the requests seek information that predates MWGen's ownership and operation of the Crawford Station and MWGen does not have sufficient knowledge on which to base belief that the information in its historical records is "true, accurate and complete" as required by the language of the certification. Therefore, MWGen objects to completing the certification.

.

LIST OF ATTACHMENTS

Attachment 1: Figure 1A: Figure 4.1 F-1, Site Plan – Runoff Areas.
Figure 1B: Crawford Station Process Flow Schematic dated 09/03/1999

Attachment 2: Table 4-1 Runoff Collection Areas and Pumps System Description, as excerpted from: System Description and Instruction Manual for the Wastewater Control and Treatment Facilities by Fluor Pioneer Inc, dated April 3, 1978.

Table 4-2 Pump Pits

Attachment 3: Drawing Number 13.43-13, a 12,000 gallon oil water separator

Attachment 4: Peaker Yard Diagram with Description Nov 8, 1994

Attachment 5: Letter to Illinois EPA, dated October 16, 2006, permanently retiring twelve Crawford Station Combustion Turbine Peaking Units.

Attachment 6:

Waste Water Treatment Flow Diagram	CE-CR-99 WWF-0101-B
Yard Piping	CE-CR-99 WWF-0005-C
Pump Pits Sheet 1	CE-CR-99 WWF-6041-D
Pump Pits Sheet 2	CE-CR-99 WWF-6042-E
Miscellaneous Concrete Structures	CE-CR-99 WWF-6051-A
Plat of Survey Project No 98156	SHEET 1 of 3

Attachment 7: Table 1 Chicago Monthly Precipitation Totals Summary.
Table 2 Chicago Monthly Precipitation Totals summary and
Table 3 Crawford Basin 9 Stormwater Runoff Volume
36-months of Daily Rain Events at Chicago O'Hare National Climatic Data Center.

Attachment 8: MSDS of Accell Clean, an oil dispersant used for Crawford's flood response
MSDS of Mobil DTE 797,Mobil DTE 732, and Chevron GST 32.

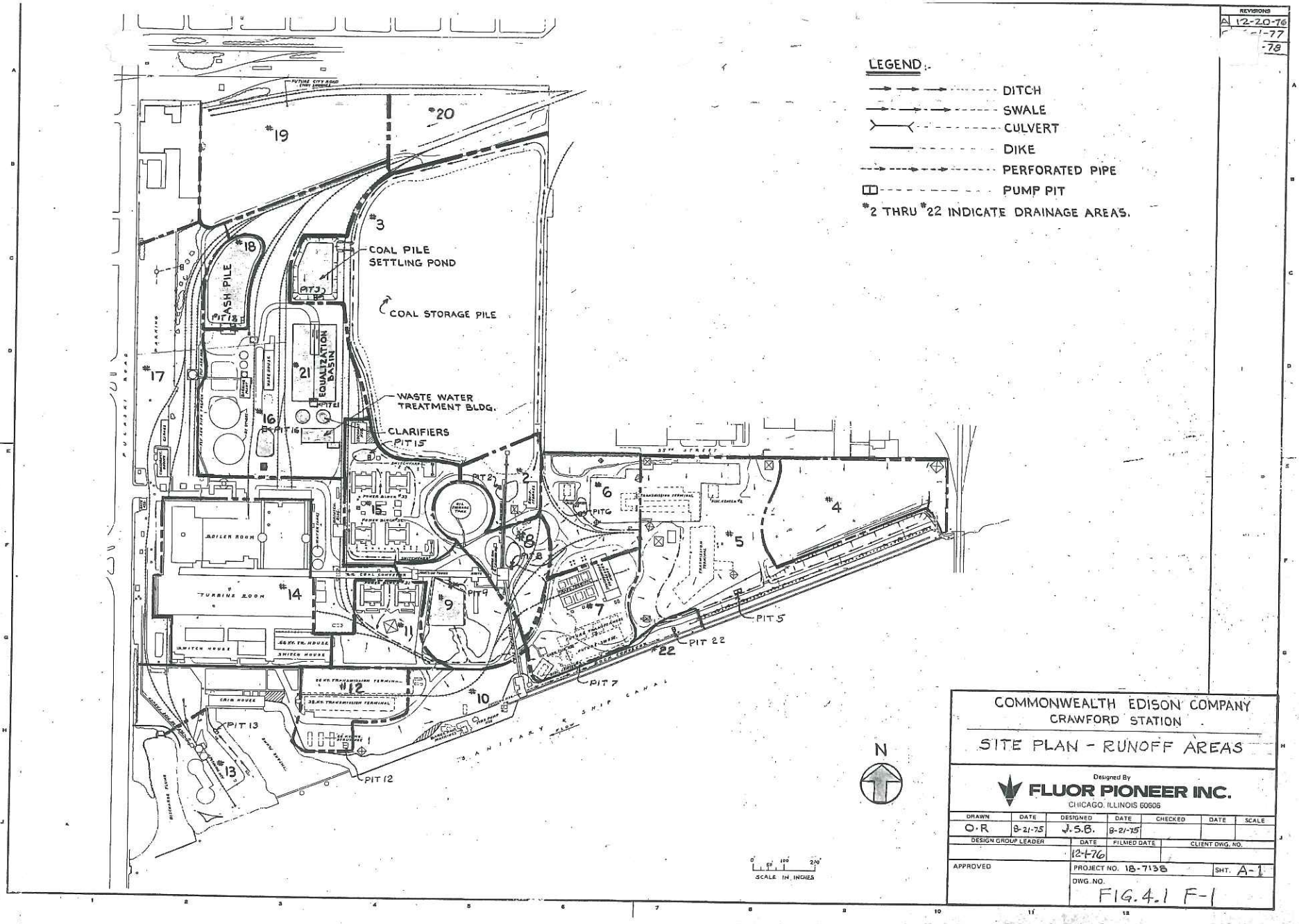
Attachment 9: Table 4: Crawford 3-Year Summary of Additions to South Detention Basin.
Table 5: Crawford 3-Year Summary of Removals from South Detention Basin

Attachment 10: Manifest Records – Basin Sludge
Waste Management Profile Records with analysis – Basin Sludge

Attachment 11: Diagram of Basin #9 and Adjacent Structures
Table 6: Identity and Purpose of Structures

Attachment 12: Emergency Variance from Illinois EPA (details re July Flood response)

ATTACHMENT 1



REVISIONS
A 12-20-76
-1-77
-78

COMMONWEALTH EDISON COMPANY
CRAWFORD STATION

SITE PLAN - RUNOFF AREAS

Designed By
FLUOR PIONEER INC.
CHICAGO, ILLINOIS 60606

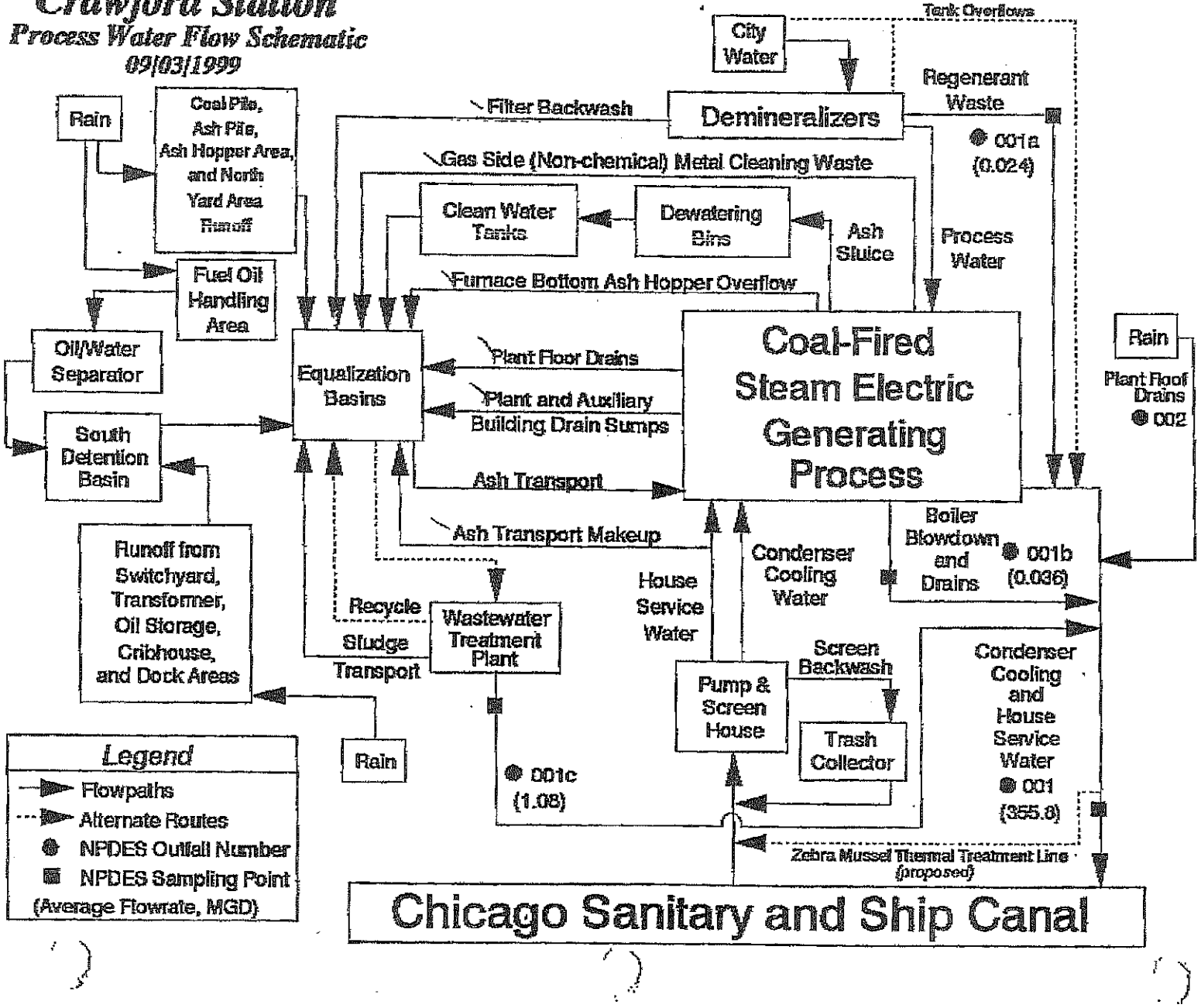
DRAWN	DATE	DESIGNED	DATE	CHECKED	DATE	SCALE
O.R	8-21-75	J.S.B.	8-21-75			

DESIGN GROUP LEADER | DATE 12-1-76 | FILMED DATE | CLIENT DWG. NO.

APPROVED | PROJECT NO. 18-7138 | SHT. A-1

DWG. NO. FIG. 4.1 F-1

Commonwealth Edison Company
Crawford Station
Process Water Flow Schematic
09/03/1999



ATTACHMENT 2

RUNOFF COLLECTION AREAS AND PUMPS. TABLE 4-1
VALUES FOR 10 YEAR, 24 HOUR RAINFALL

AREA NO.	SIZE ACRES	C	PUMPS-GPM STOR.10^3 G	r	.88"	1.55"	2.1"	2.4"	2.64"	2.8"	2.92"	3.02"	3.10"	4.1"
				TIME	10 MIN.	30 MIN.	1 HR.	2 HRS.	3 HRS.	4 HRS.	5 HRS.	6 HRS.	7 HRS.	24 HRS.
2	1.0	.6	2-200	R	1422	835	565	323	237	188	157	136	119	46
				Q	14	25	34	39	43	45	47	49	51	66
			15	P	3	11	23	39	--	--	--	--	--	--
				V	11	14	11	0						
3	14.0	.6 & .9	2-200	R	20000	12000	8400	4800	3500	2800	2300	2000	1800	644
				Q	203	362	499	584	642	681	709	729	752	996
			620	P		4	10	22	46	70	94	118	142	550
				V	203	358	489	558	606	611	615	611	610	446
5	6.4	.6	2-2000	R	9100	5300	3600	2100	1500	1200	1000	870	760	294
				Q	91	161	217	249	274	290	303	314	326	425
			72	P	37	117	217	--	--	--	--	--	--	--
				V	54	44	0							
6	2.0	.6	2-600	R	2850	1670	1130	650	470	380	310	270	240	92
				Q	29	50	68	78	86	91	95	99	102	133
			20	P	10	44	68	--	--	--	--	--	--	--
				V	19	6	0							
7	2.5	.6	2-1000	R	3570	2090	1410	810	590	470	390	340	300	115
				Q	36	63	85	97	107	113	118	123	127	166
			25	P	17	57	85	--	--	--	--	--	--	--
				V	19	6	0							
8	2.0	.6	2-600	R	2850	1670	1130	650	470	380	310	270	240	92
				Q	29	50	68	78	86	91	95	99	102	133
			22	P	9	33	68	--	--	--	--	--	--	--
				V	20	17	0							
9	2.1	.6 & .9	2-2000	R	14100	12900	10700	6100	4500	3600	3000	2600	2300	870
			1-400	Q	141	388	644	736	811	860	897	931	959	1257
				P	15	83	215	479	743	860	--	--	--	--
			462	V	126	305	429	257	68	0				
11	1.6	.6	Gravity	Q	23	40	54	62	68	73	76	79	81	106
12	1.7	.6	2-500	R	2400	1420	960	550	400	320	270	230	200	78
				Q	24	43	59	66	73	77	80	83	86	112
			15	P	9	29	59	--	--	--	--	--	--	--
				V	15	14	0							
13	1.0	.6	2-200	R	1422	835	565	323	237	188	157	136	119	46
			Pumps to	Q	14	25	34	39	43	45	47	49	51	66
			Ash Basin	P	3	11	23	39	--	--	--	--	--	--
			15	V	11	14	11	0						
15	2.9	.6	2-1500	R	4120	2440	1660	940	690	550	450	390	350	135
				Q	41	73	99	113	124	132	137	141	148	193
			16	P	26	73	--	--	--	--	--	--	--	--
				V	15	0								
16	7.7	.6	2-1500	R	11000	6500	4300	2500	1800	1500	1200	1050	920	355
				Q	110	193	262	300	329	349	364	376	386	511
			111	P	24	84	174	300	--	--	--	--	--	--
				V	86	109	88	0						
18	1.5	.6	2-500	R	2100	1300	850	480	350	280	230	200	180	69
				Q	22	38	51	58	64	68	71	73	76	100
			20	P	7	27	51	--	--	--	--	--	--	--
				V	15	11	0							
21	0.4 each half	.9	4-1000	R	8200	9900	9900	8700	7800	6700	5700	5000	4690	2240
			2-400	Q	85	298	593	1043	1403	1602	1711	1812	1909	3227
				P	4	12	50	176	368	657	945	1089	1233	--
			1188	V	81	286	543	867	1035	945	766	723	676	0
22	0.5	.6	2-200	R	710	420	280	160	120	90	80	70	60	23
				Q	7	13	17	19	21	23	24	24	25	33
				P	4	12	17	--	--	--	--	--	--	--
			7	V	3	1	0							
Plant	400 GPM (Ave)			Q	4	12	24	48	72	96	120	144	168	576

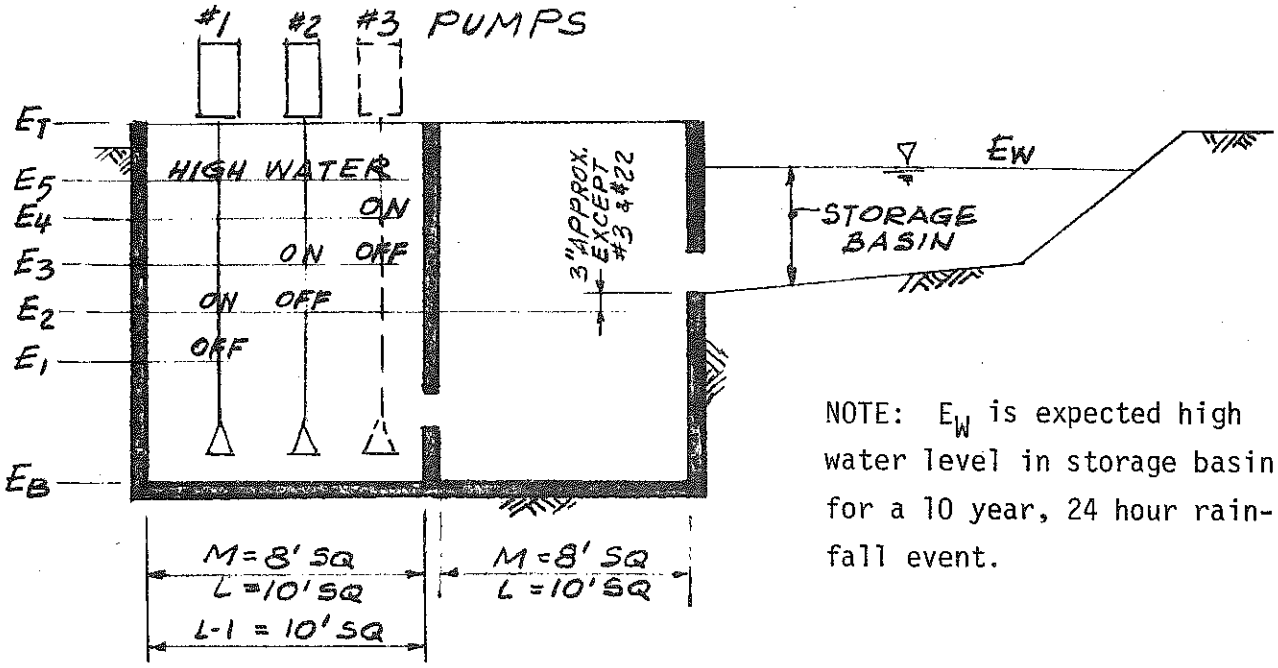
NOTE: BASIN 21 HIGH WATER ALARM SOUNDS AT ± 2 HOURS, 34 MINUTES. OPERATOR IS ASSUMED TO OPEN SLUICE GATE 5 TO 2ND PIT AT 2 HOURS,40 MINUTES, AND CLOSE GATE AT 5 HOURS OF RAINFALL EVENT. BASIN 21 IS ASSUMED TO START RAINFALL EVENT WITH 6" OF WATER OVER WEIR (64,000 GALLONS).

LEGEND:
- R = RUNOFF RATE IN GPM (PUMPED INFLOW FOR BASINS 9 & 21)
- Q = ACCUMULATIVE RUNOFF PLUS VOLUME PUMPED IN (GALLONS x 10^3)
- P = ACCUMULATIVE VOLUME PUMPED OUT (GALLONS x 10^3)
- V = VOLUME OF WATER STORED IN PIT AND BASIN (GALLONS x 10^3)
- r = RAINFALL (INCHES) TOTAL IN GIVEN TIME
- -- = INDICATES INTERMITTENT OPERATION OF PUMP
- C = RUNOFF COEFFICIENT

PUMP PITS
TABLE 4-2

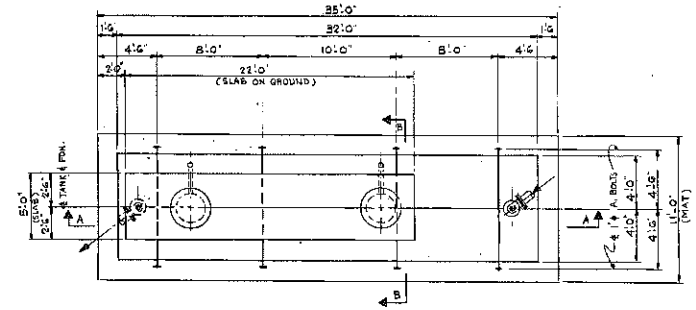
AREA NO	PUMPS (GPM)	PUMP PIT SIZE	ELEVATIONS							
			E_B	E_1	E_2	E_3	E_4	E_5	E_T	E_W
2	2-200	M	4'-0	7'-0	8'-6	9'-6	-	10'-6	12'-0	11'-0
3	2-200	M	0'-6	3'-6	6'-6	7'-6	-	8'-6	11'-0	8'-6
5	2-2000	L	-1'-2	1'-10	5'-4	6'-4	-	7'-6	14'-0	8'-0
6	2-600	M	4'-3	7'-3	8'-9	10'-0	-	12'-0	13'-3	11'-10
7	2-1000	L-1	-3'-0	0'-2	0'-8	1'-8	-	4'-6	14'-0	12'-8
8	2-600	M	6'-0	9'-0	10'-6	12'-0	-	13'-0	14'-6	13'-0
9	1-400, 2-2000[1]	L	2'-0	5'-0	5'-6	7'-6	9'-6	13'-0	15'-6	13'-0
12	2-500	M	-1'-0	2'-0	3'-6	5'-0	-	12'-0	15'-8	13'-0
13	2-200	M	6'-6	9'-6	11'-6	12'-6	-	13'-6	14'-8	13'-6
15	2-1500	L	2'-0	5'-0	8'-3	9'-3	-	10'-0	13'-0	10'-0
16	2-1500	L	-1'-3	1'-9	5'-9	7'-3	-	10'-0	11'-0	9'-0
18	2-500	M	2'-6	5'-6	7'-0	8'-6	-	9'-6	11'-0	9'-6
21	1-400, 2-1000[1] [2]		3'-6	6'-6	7'-0	9'-6	12'-0	14'-6	16'-0	15'-6
22	2-200	M	1'-2	4'-2	5'-2	6'-2	-	8'-6	11'-6	8'-6

[1] Basin 9 & 21 - Pump #1 is 400 GPM
[2] Basin 21 - Operator can use 2 pump pits with capacity of 2-400 and 4-1000 GPM (See Note Table 4-1)

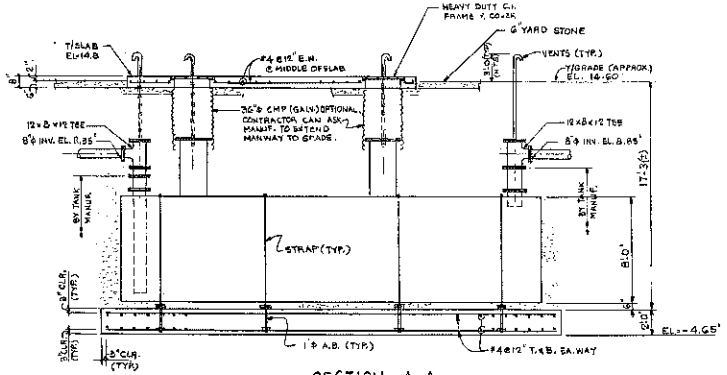


NOTE: E_W is expected high water level in storage basin for a 10 year, 24 hour rainfall event.

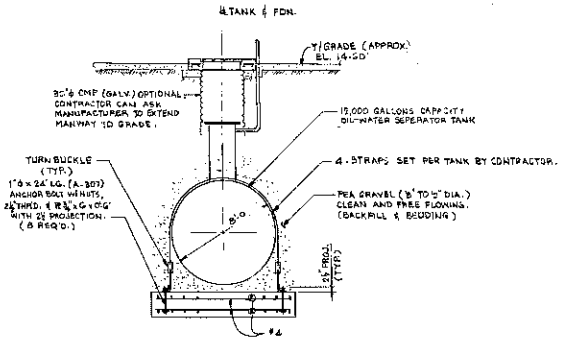
ATTACHMENT 3



OIL - WATER SEPARATOR TANK FOUNDATION PLAN



SECTION A-A



SECTION B-B

REV	DATE	DESCRIPTION	BY

REV	DATE	DESCRIPTION	BY
B	6-27-93	AS BUILT REVISION	AJH
A	3-11-92	OIL-WATER SEPARATOR TANK-REDRAWN	AJH

SEALED
ENGR.
APPD.

12.5 KV SWITCHYARD
OIL-WATER SEPARATOR
TANK DETAILS

STATION NO. 13 CRAWFORD

SCALE: 1/2"
DATE: 9-25-91

COMMONWEALTH EDISON COMPANY
CHICAGO, ILL.

SYSTEM ELECTRICAL ENGINEERING DEPT.

13.43 - 13

ATTACHMENT 4

November 8, 1994

4

TO: Shift Engineers

RE: Peaker Yard

Gentlemen:

During the recent peaker renovation project, the peaker yard wastewater collection system was revised to improve collection and handling of oil leaks around the peakers:

1. Catchbasins and manholes in the new system are located as shown on the attached sketch.

   We are presently in the process of labeling each catchbasin and manhole to simplify its identification in the field.

2. The area inside the fuel oil storage tank berm has been graded and sloped to a drain on the southwest side of the tank. The drain is connected to the new drainage system. A valve is located in the drain line from inside the berm to isolate the bermed area in the event of a catastrophic failure of the tank. THIS VALVE SHOULD NEVER BE LEFT OPEN UNATTENDED.

3. The new drainage system runs through a new oil/water separator on the southwest side of Pit #9. Oil is retained in the separator while water flows out into Pit #9.

   A procedure for operating the new separator will be developed in the near future.

4. A wall has been installed in Pit #9 to further prevent oil from reaching the pit pumps and being pumped to the wastewater treatment plant.

Due to the new system, it is no longer necessary to contain and clean up minor oil spills around the peakers. Most spills can be flushed to any catchbasin in the new drainage system and handled by the new oil/water separator.

However, care must be taken not to overload the new separator and every effort should be made to minimize oil spills.

Please pass this information along to personnel in your department.

file=PEAKAREA

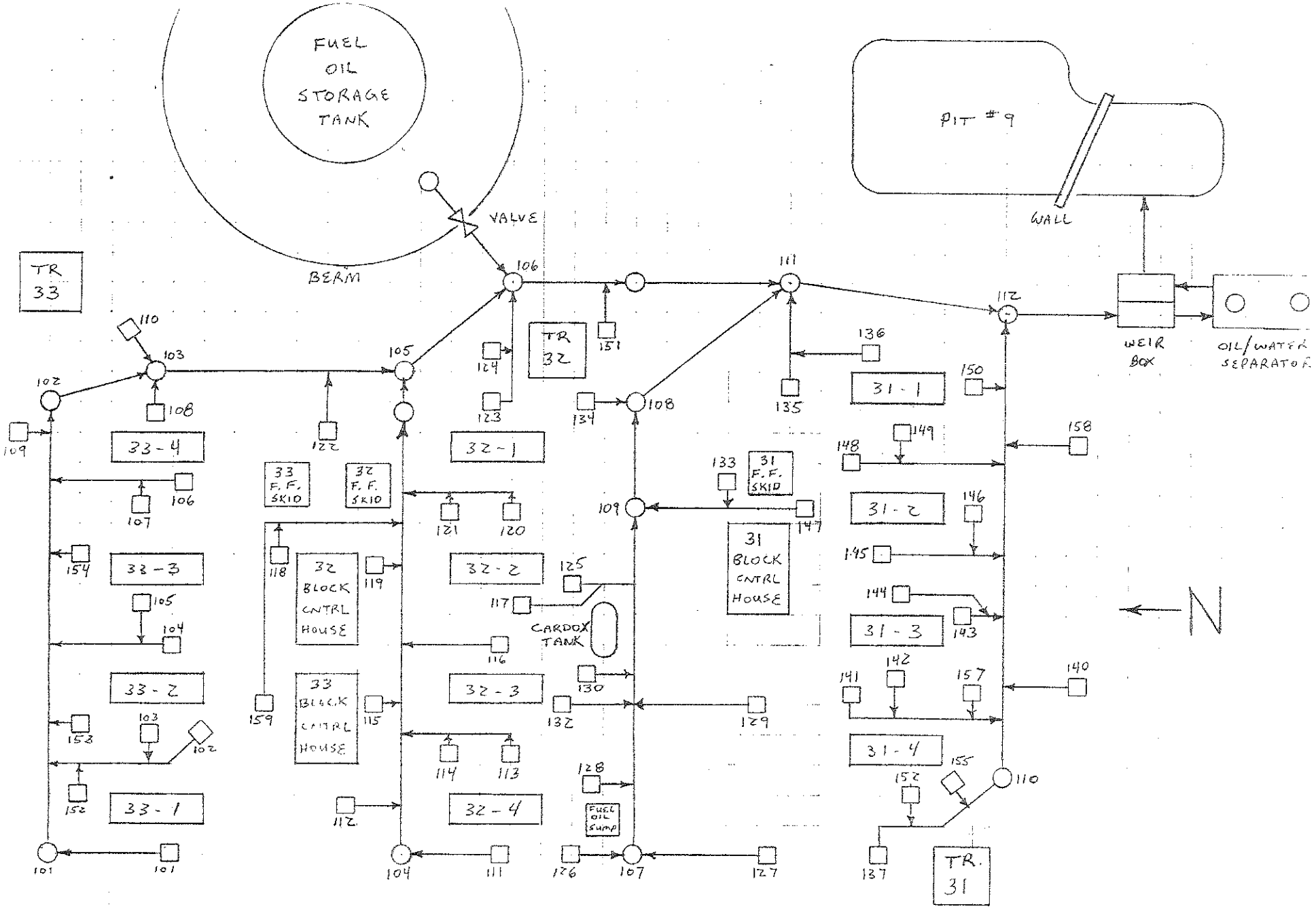
November 8, 1994

Please call me at x2289 if you have any questions.

Jim O'Donnell

cc: J. Makowski
F. Veenbaas
B. Pico
M. Phillip
M. Rowland

file=PEAKAREA


FUEL OIL STORAGE TANK
BERM
VALVE
PIT #9
WALL
TR 33
TR 32
TR 31
WEIR BOX
OIL/WATER SEPARATOR
33 - 4
33 - 3
33 - 2
33 - 1
32 - 1
32 - 2
32 - 3
32 - 4
31 - 1
31 - 2
31 - 3
31 - 4
33 F.F. SKID
32 F.F. SKID
31 F.F. SKID
33 BLOCK CNTRL HOUSE
32 BLOCK CNTRL HOUSE
31 BLOCK CNTRL HOUSE
CARDOX TANK
Fuel Oil Sump
N
MANHOLE
CATCH BASIN
PEAKER YARD
DRAINAGE SYSTEM
11-8-94

5

MIDWEST GENERATION EME, LLC

An *EDISON INTERNATIONAL*SM Company

Basil G. Constantelos
Director, Environmental Services

October 16, 2006

Mr. Donald Sutton
Manager, Permit Section
Division of Air Pollution Control
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19506
Springfield, Illinois 62794-9506

Federal Express

Subject: Crawford Station Combustion Turbine Peakings Units
Withdrawal of the Operating Permit for 12 Turbines
Station ID: 031600AIN
Application No.: 73030807
County: Cook

Dear Mr. Sutton:

Midwest Generation hereby notifies the IEPA of the permanent retirement of the twelve Crawford Station Combustion Turbine Peaking Units.

Please withdraw the attached permit which expired November 27, 1996.

If you have any questions regarding this letter, please contact Scott B. Miller of my staff at (312) 583-6059.

Sincerely,

Basil G. Constantelos
Director, Environmental Services

cc: Julie Armitage (IEPA – Compliance Section, Springfield)
Martin Tippin (IEPA – Regional Office – Des Plaines)

Midwest Generation EME, LLC
One Financial Place
440 South LaSalle Street
Suite 3500
Chicago, IL 60605
Tel: 312 583 6029
Fax: 312 788 5529

Illinois Environmental Protection Agency · P. O. Box 19276, Springfield, IL 62794-9276

217/782-2113

OPERATING PERMIT

PERMITTEE

Commonwealth Edison Company
Attn: Thomas E. Hemminger
c/o Environmental Services
P.O. Box 767
Chicago, IL 60690

Application No.: 73030807 I.D. No.: 031600AIN
Applicant's Designation: CRFDPKRSGT Date Received: November 18, 1991
Subject: Crawford Gas Turbine Peakers
Date Issued: December 3, 1991 Expiration Date: November 27, 1996
Location: 3501 South Pulaski Road, Chicago

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of 12 oil and natural gas fired turbines as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. At the above location, the Permittee shall not keep, store, or utilize:

   (i) distillate fuel oil (Grades No. 1 and 2) with a sulfur content greater than the larger of the following two values:

      (1) 0.28 weight percent, or
      (2) the wt. percent given by the formula: Maximum wt. percent sulfur = (0.000015) x (Gross heating value of oil, BTU/lb).

2. Organic liquid by-products or waste materials shall not be used in these fuel combustion emission sources without written approval from this Agency.

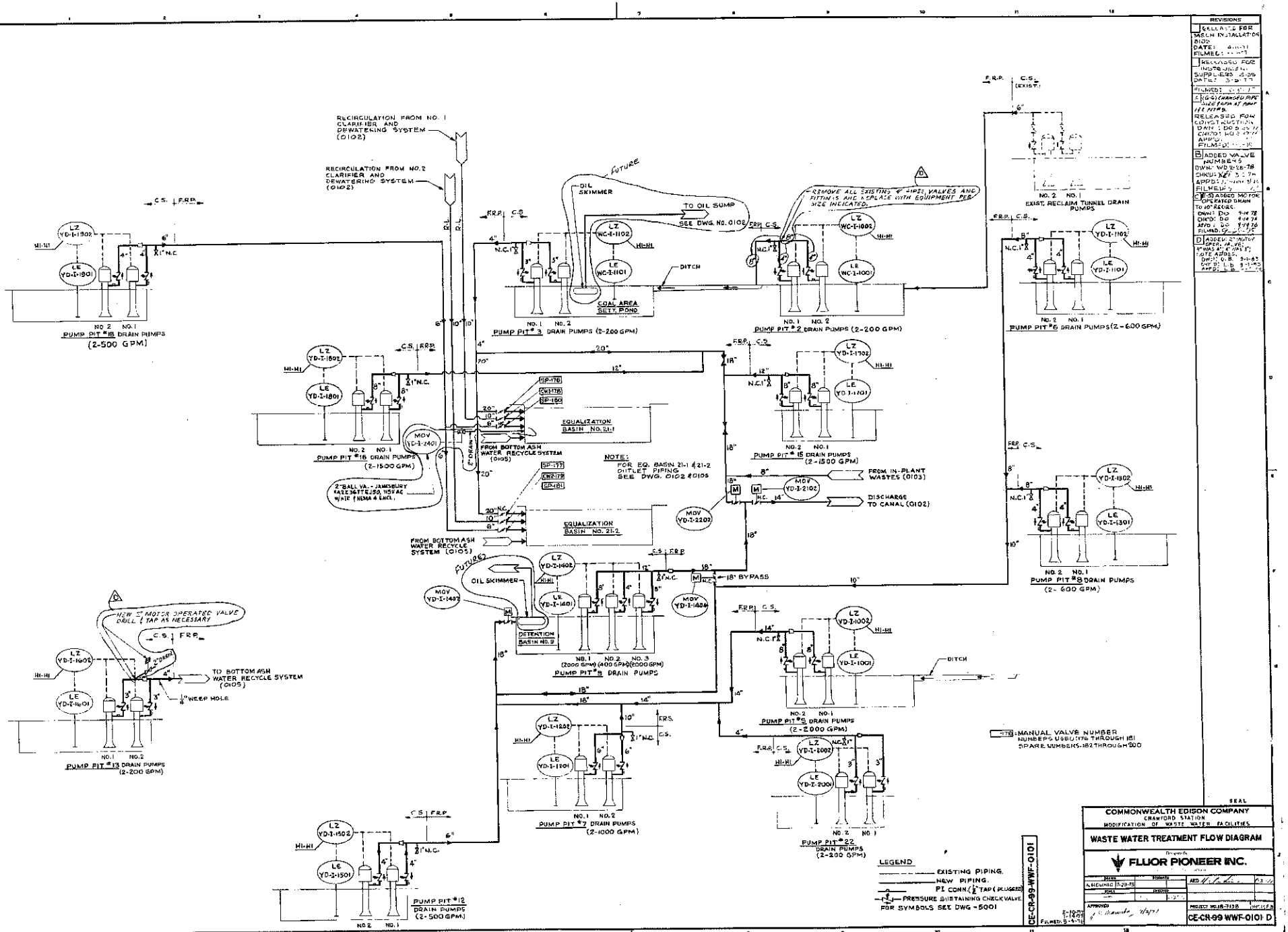
3. The Agency shall be allowed to sample all fuels stored at the above location.

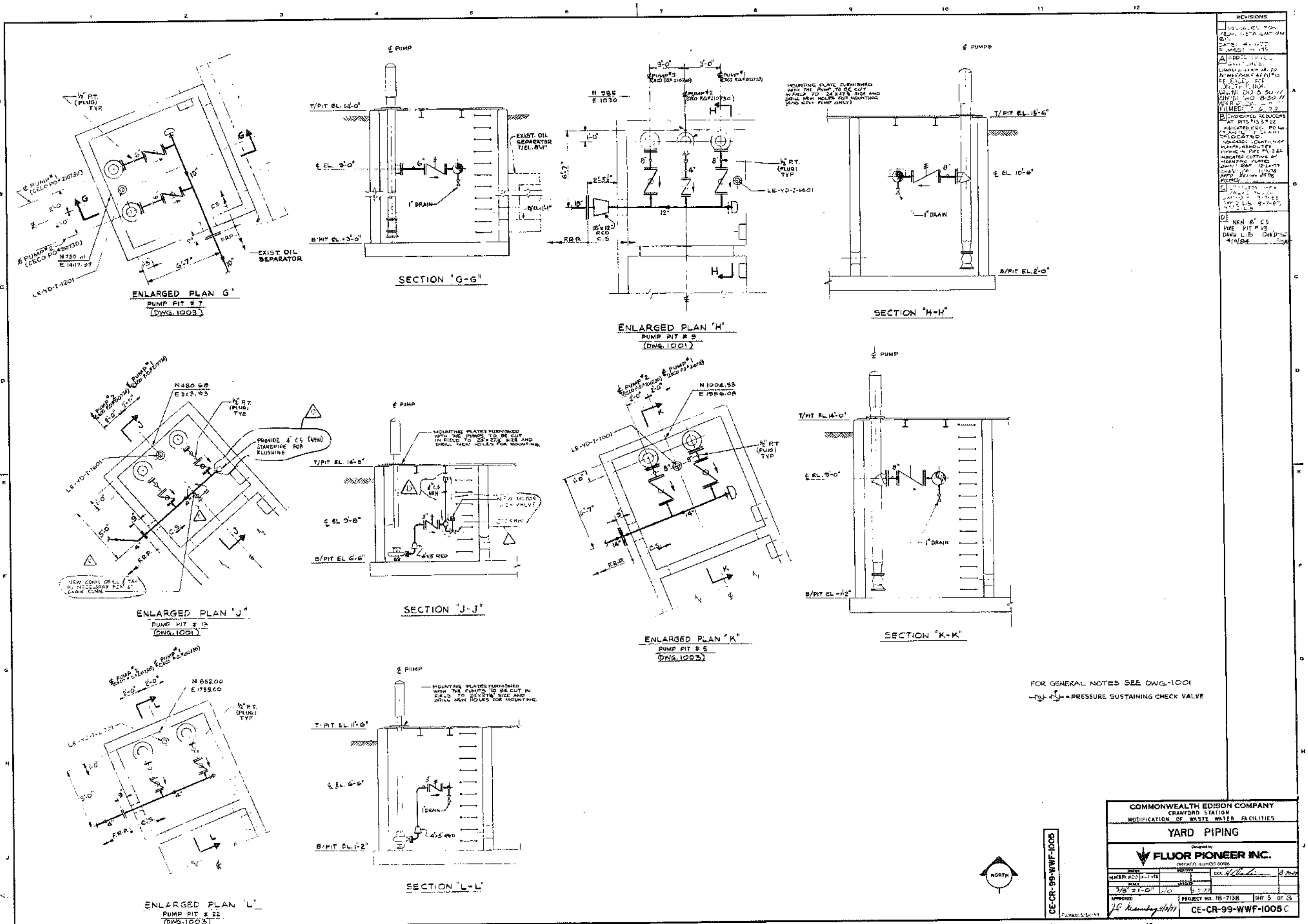
Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

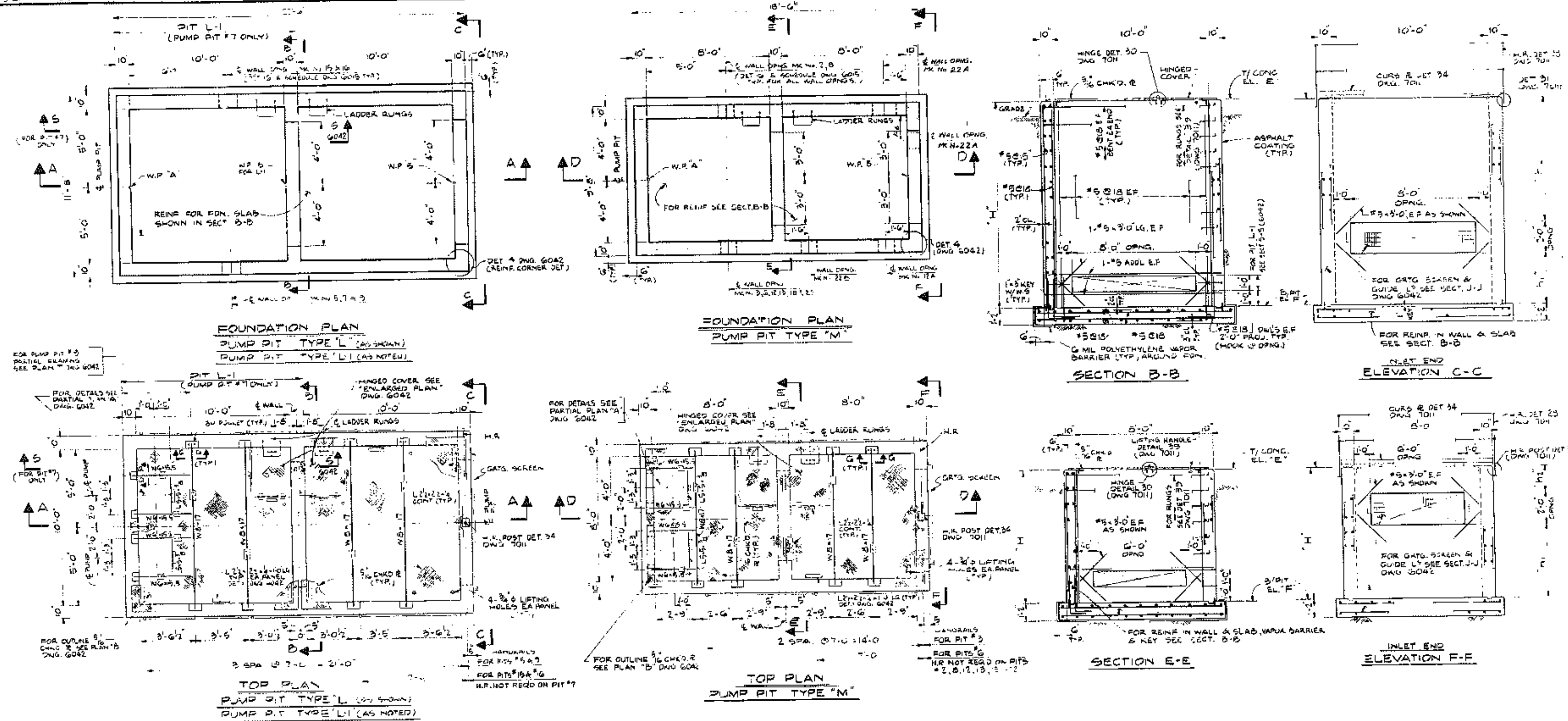
DES:ELN:jmm/sp/863M/23

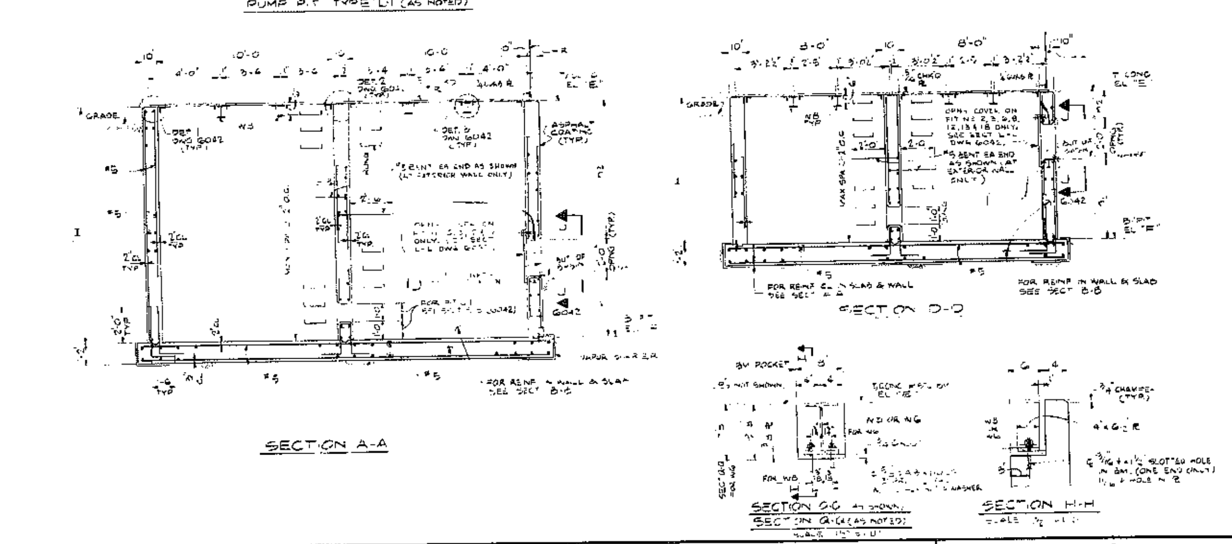
cc: Region 1

bcc: Luke Ford (Crawford)
Andrea Crapisi
Station File: AIR-T7
Corporate File: A-CRA-PER-B


RECIRCULATION FROM NO. 1 CLARIFIER AND DEWATERING SYSTEM (0102)
RECIRCULATION FROM NO. 2 CLARIFIER AND DEWATERING SYSTEM (0102)
FUTURE
OIL SKIMMER
TO OIL SUMP
SEE DWG. NO. 0102
DITCH
COAL AREA SETT. POND
REMOVE ALL EXISTING 4" VIBEX VALVES AND FITTINGS AND REPLACE WITH EQUIPMENT PER SIZE INDICATED.
NO. 2 NO. 1
EXIST. RECLAIM TUNNEL DRAIN PUMPS
PUMP PIT #1B DRAIN PUMPS (2-500 GPM)
PUMP PIT #3 DRAIN PUMPS (2-200 GPM)
PUMP PIT #2 DRAIN PUMPS (2-200 GPM)
PUMP PIT #6 DRAIN PUMPS (2-600 GPM)
PUMP PIT #16 DRAIN PUMPS (2-1500 GPM)
EQUALIZATION BASIN NO. 21-1
EQUALIZATION BASIN NO. 21-2
FROM BOTTOM ASH WATER RECYCLE SYSTEM (0105)
2"BALL VA. - JAMESBURY 4A82-3KTTE/150, 115V AC WAVE 1 NEMA 4 ENCL.
NOTE: FOR EQ. BASIN 21-1 & 21-2 OUTLET PIPING SEE DWG. 0102 & 0105
PUMP PIT #15 DRAIN PUMPS (2-1500 GPM)
FROM IN-PLANT WASTES (0103)
DISCHARGE TO CANAL (0102)
PUMP PIT #8 DRAIN PUMPS (2-600 GPM)
18" BYPASS
DETENTION BASIN NO. 2
PUMP PIT #8 DRAIN PUMPS (2000 GPM) (400 GPM) (2000 GPM)
NEW 3" MOTOR OPERATED VALVE DRILL & TAP AS NECESSARY
TO BOTTOM ASH WATER RECYCLE SYSTEM (0105)
1/8" WEEP HOLE
PUMP PIT #13 DRAIN PUMPS (2-200 GPM)
PUMP PIT #5 DRAIN PUMPS (2-2000 GPM)
PUMP PIT #7 DRAIN PUMPS (2-1000 GPM)
PUMP PIT #22 DRAIN PUMPS (2-200 GPM)
PUMP PIT #12 DRAIN PUMPS (2-500 GPM)
-176 = MANUAL VALVE NUMBER
NUMBERS USED 176 THROUGH 181
SPARE NUMBERS 182 THROUGH 200
LEGEND
EXISTING PIPING.
NEW PIPING.
PI CONN. (1/2" TAP (PLUGGED)
PRESSURE SUSTAINING CHECK VALVE
FOR SYMBOLS SEE DWG -5001
REVISIONS
RELEASED FOR MECH INSTALLATION
RELEASED FOR CONSTRUCTION
ADDED VALVE NUMBERS
ADDED MOTOR OPERATED DRAIN TO 10" RECIRC.
ADDED 2" MOTOR OPER. VALVE
COMMONWEALTH EDISON COMPANY
CRAWFORD STATION
MODIFICATION OF WASTE WATER FACILITIES
WASTE WATER TREATMENT FLOW DIAGRAM
FLUOR PIONEER INC.
CE-CR-99 WWF-0101 D


ENLARGED PLAN "G"
PUMP PIT # 7
(DWG. 1003)
SECTION "G-G"
ENLARGED PLAN "H"
PUMP PIT # 3
(DWG. 1001)
SECTION "H-H"
ENLARGED PLAN "J"
PUMP PIT # 13
(DWG. 1001)
SECTION "J-J"
ENLARGED PLAN "K"
PUMP PIT # 5
(DWG. 1003)
SECTION "K-K"
ENLARGED PLAN "L"
PUMP PIT # 22
(DWG. 1003)
SECTION "L-L"
EXIST. OIL SEPARATOR
T/PIT EL. 14'-0"
B/PIT EL. 3'-0"
T/PIT EL. 15'-6"
B/PIT EL. 2'-0"
T/PIT EL. 14'-0"
B/PIT EL. 1'-2"
1" DRAIN
FOR GENERAL NOTES SEE DWG.-1001
PRESSURE SUSTAINING CHECK VALVE
REVISIONS
NORTH
COMMONWEALTH EDISON COMPANY
CRAWFORD STATION
MODIFICATION OF WASTE WATER FACILITIES
YARD PIPING
FLUOR PIONEER INC.
3/8" = 1'-0"
PROJECT NO. 18-7138
SHT 5 OF 8
CE-CR-99-WWF-1005 C
CE-CR-99-WWF-1005





PUMP PIT SCHEDULE

PUMP PIT No	PIT TYPE	W.P. COORDINATES W.P. "A"	W.P. "B"	T. CONC. ELEV "E"	B/PIT ELEV. "F"	"H"	"h1"	"h2"	REMARKS
2	M	N 1266.00 E 1139.00	N 1266.00 E 1214.83	12'-0"	4'-0"	8'-0"	4'-10"	1'-2"	[illegible]
3	M	N 1918.00 E 538.00	N 1994.83 E 538.00	11'-0"	0'-6"	10'-6"	3'-6"	5'-0"	
5	L	N 1007.00 E 1993.50	N 987.65 E 1992.50	14'-0"	-1'-2"	15'-2"	6'-5"	6'-6"	
6	M	SEE MASH #6, DWG. 0821		13'-3"	4'-3"	9'-0"	4'-10"	2'-2"	
7	L-1	N 730.61 E 1447.91	N 734.53 E 1651.35	14'-0"	-3'-0"	17'-0"	—	—	ONE CHAMBER PUMP PIT W.P. COORDINATES APPROX.
8	M	N 1053.00 E 1164.00	N 1069.83 E 1164.00	14'-6"	6'-0"	8'-6"	4'-8"	1'-10"	
9	L	N 995.00 E 1050.00	N [illegible] E 1050.00	15'-6"	2'-0"	13'-6"	3'-1"	7-11	SEE PLAN "I" DWG G042 FOR PARTIAL FRAMING
12	M	N 472.00 E 115.00	N 472.83 E 115.00	15'-8"	-1'-0"	16'-8"	5'-8"	1'-0"	[illegible]
13	M	N 486.00 E 317.00	N 471.17 E 325.13	14'-8"	6'-6"	8'-2"	5'-2"	1'-0"	
15	L	N 1379.00 E 717.00	N 1393.85 E 717.00	13'-0"	2'-0"	11'-0"	6'-6"	2'-6"	
16	L	N 1575.00 E 449.00	N 1557.17 E 449.00	11'-0"	-1'-3"	[illegible]	[illegible]	3'-0"	
18	M	N 1821.00 E 358.00	N 1821.00 E 341.17	11'-0"	2'-6"	8'-6"	4'-9"	1'-9"	
21		"SPECIAL" SEE DWG. G013							EQUALIZATION BASIN PUMP PIT
22	M	N 847.00 E 1757.00	N 845.63 E 1744.42	11'-6"	1'-2"	10'-4"	—	—	[illegible] COAL CONVEYOR.

NOTES:
1. ALL WORK SHOWN ON THIS DWG IS IN GENERAL CONSTRUCTION CONTRACT UNLESS NOTED OTHERWISE.
2. FOR LIST OF DRAWINGS SEE DWG G00[illegible]
3. FOR LOCATION & ORIENTATION OF PUMP PITS SEE DWG'S G011, G012, G013, G021 & SCHEDULE ON THIS DRAWING
4. FOR ADDITIONAL NOTES SEE DWG G011

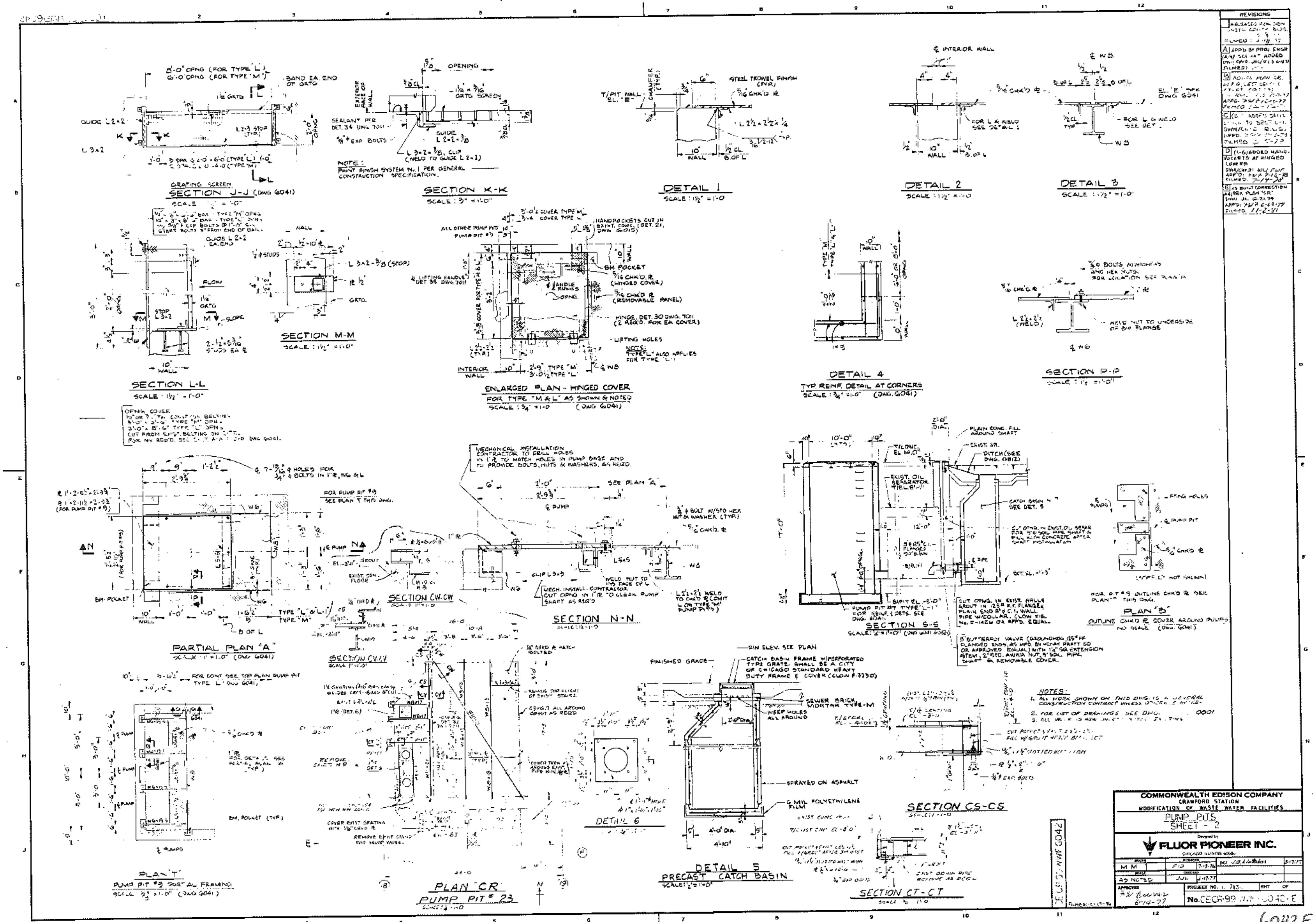
COMMONWEALTH EDISON COMPANY CRAWFORD STATION MODIFICATION OF WASTE WATER FACILITIES	
PUMP PITS SHEET 1	
Designed by FLUOR PIONEER INC. CHICAGO ILLINOIS	
DRAWN M.M 12-21-76	DESIGNED F.D 7-17-76
SCALE [illegible]	CHECKED [illegible] 3-17-77
APPROVED [illegible] 6-14-77	PROJECT NO. [illegible] SHT OF
No. CECR-99-WWF-G041-D	

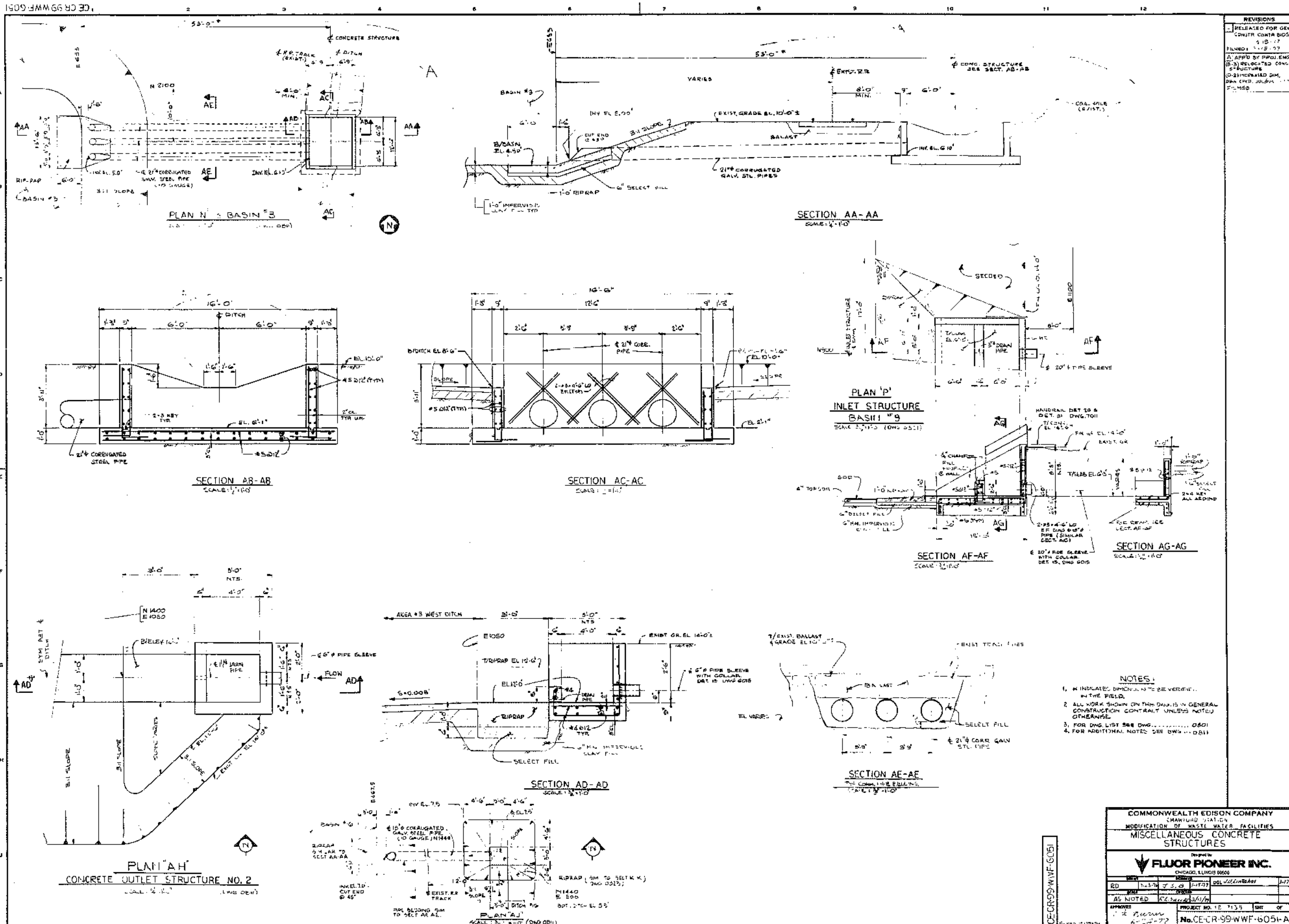
G041

FILMED [illegible]

REVISIONS

609


SECTION J-J (DWG G041)
SCALE : 1" = 1'-0"
SECTION K-K
SCALE : 3" = 1'-0"
NOTES:
PAINT FINISH SYSTEM No. 1 PER GENERAL CONSTRUCTION SPECIFICATION.
DETAIL 1
SCALE : 1½" = 1'-0"
DETAIL 2
SCALE : 1½" = 1'-0"
DETAIL 3
SCALE : 1½" = 1'-0"
SECTION L-L
SCALE : 1½" = 1'-0"
SECTION M-M
SCALE : 1½" = 1'-0"
ENLARGED PLAN - HINGED COVER
FOR TYPE "M & L" AS SHOWN & NOTED
SCALE : ¾" = 1'-0" (DWG G041)
DETAIL 4
TYP. REINF. DETAIL AT CORNERS
SCALE : ¾" = 1'-0" (DWG G041)
SECTION P-P
SCALE : 1½" = 1'-0"
PARTIAL PLAN "A"
SECTION CW-CW
SECTION CV-CV
SECTION N-N
SECTION S-S
PLAN "B"
OUTLINE CHK'D PL COVER AROUND PUMPS
PLAN "T"
PUMP PIT #9 PARTIAL FRAMING
PLAN "CR"
PUMP PIT # 23
DETAIL 6
DETAIL 5
PRECAST CATCH BASIN
SECTION CS-CS
SECTION CT-CT
NOTES:
1. ALL WORK SHOWN ON THIS DWG. IS A GENERAL CONSTRUCTION CONTRACT UNLESS OTHERWISE NOTED.
2. FOR LIST OF DRAWINGS SEE DWG. 0801
REVISIONS
COMMONWEALTH EDISON COMPANY
CRAWFORD STATION
MODIFICATION OF WASTE WATER FACILITIES
PUMP PITS
SHEET - 2
FLUOR PIONEER INC.
CHICAGO ILLINOIS 60606
No. CECR-99
6042E

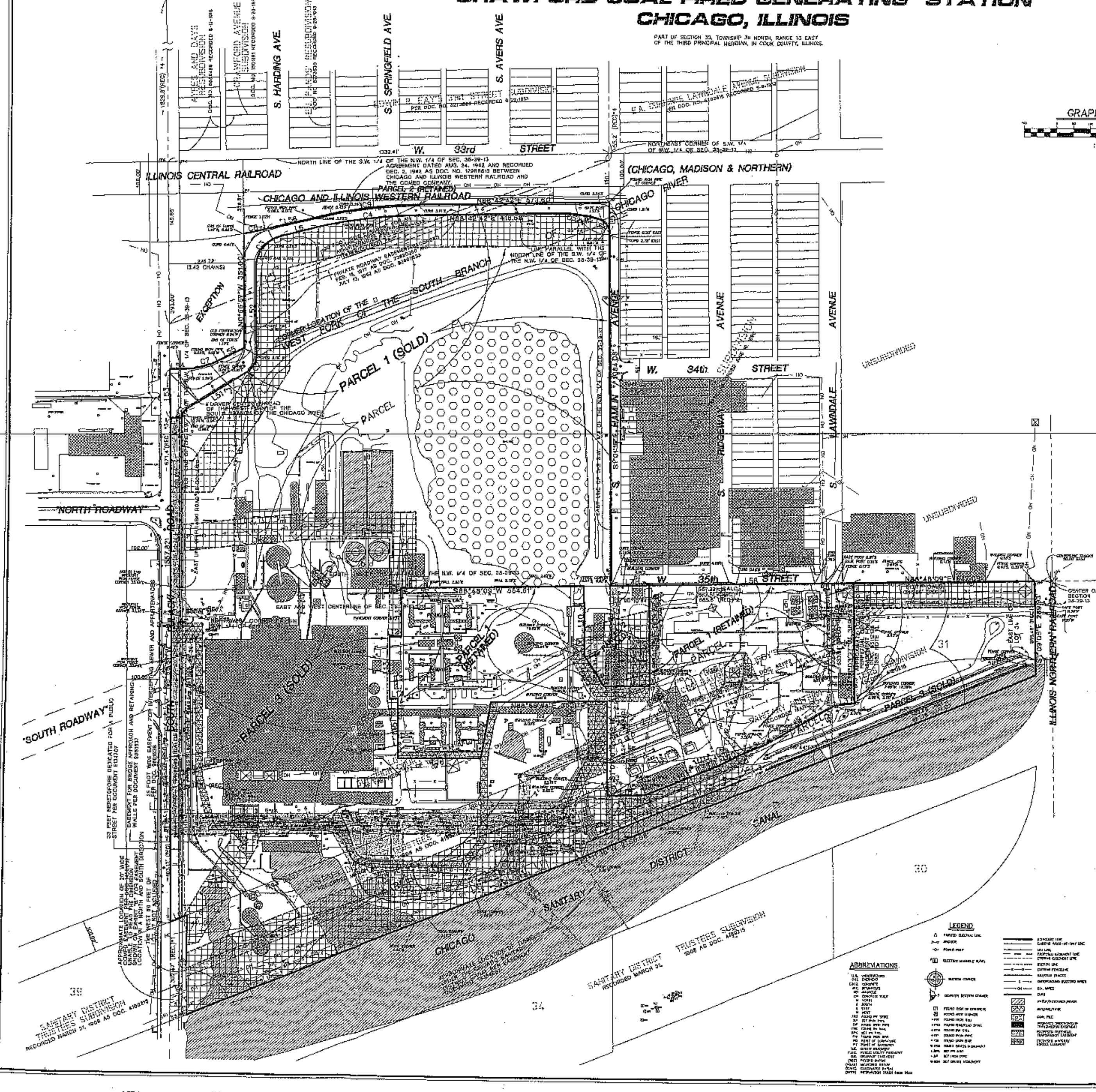

PLAN N° 3 BASIN #3
SECTION AA-AA
SECTION AB-AB
SECTION AC-AC
PLAN 'P'
INLET STRUCTURE
BASIN #9
SECTION AF-AF
SECTION AG-AG
PLAN "AH"
CONCRETE OUTLET STRUCTURE NO. 2
SECTION AD-AD
SECTION AE-AE
PLAN "AJ"
NOTES:
1. # INDICATES DIMENSIONS TO BE VERIFIED IN THE FIELD.
2. ALL WORK SHOWN ON THIS DWG. IS IN GENERAL CONSTRUCTION CONTRACT UNLESS NOTED OTHERWISE.
3. FOR DWG. LIST SEE DWG. 0801
4. FOR ADDITIONAL NOTES SEE DWG. 0811
REVISIONS
COMMONWEALTH EDISON COMPANY
CRAWFORD STATION
MODIFICATION OF WASTE WATER FACILITIES
MISCELLANEOUS CONCRETE STRUCTURES
FLUOR PIONEER INC.
CHICAGO, ILLINOIS 60606
AS NOTED
No. CE-CR-99-WWF-6051-A
CE-CR-99-WWF-6051

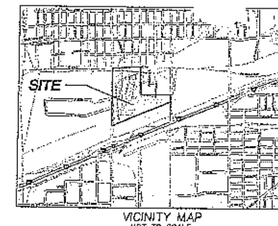
6051A

P.I.N.: 16-35-301-
16-35-301-
16-35-301-
16-35-300-
16-35-300-
16-35-117-002
16-35-116-001

ALTA/ACSM L D TITLE SURVEY OF CRAWFORD COAL FIRED GENERATING STATION CHICAGO, ILLINOIS

PART OF SECTION 35, TOWNSHIP 39 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.





VICINITY MAP
NOT TO SCALE

NOTES:

1. IMPROVEMENTS SHOWN HEREON TAKEN FROM AERIAL PHOTOGRAPHY PREPARED BY WESTERN AIR MAPS, INC. AND IS CURRENT AS OF AUGUST 1998. LOCATIONS OF PROPERTY IMPROVEMENT NEAR SELL PARCEL LINES FIELD VERIFIED BY CONVENTIONAL GROUND SURVEY METHODS.

2. BOUNDARIES DEFINED ON THIS SURVEY AS SHOWN HEREON DO NOT GUARANTEE CURRENT OWNERSHIP BY COMED.

3. THIS SURVEY IDENTIFIES CERTAIN PROPOSED ELECTRICAL TRANSMISSION AND DISTRIBUTION EASEMENTS TO BE RETAINED BY COMED OVER THE PROPERTIES TO BE SOLD. THESE EASEMENTS ARE SUBJECT TO CHANGE. (SEE DETAIL SHEET ____)

4. THIS SURVEY IDENTIFIES PROPOSED ACCESS. ANY INGRESS AND EGRESS EASEMENTS THAT HAVE BEEN SPECIFIED BY COMED. THESE EASEMENTS ARE SUBJECT TO CHANGE. (SEE DETAIL SHEET ____)

5. THIS SURVEY CONFORMS WITH A TITLE COMMITMENT PREPARED BY CHICAGO TITLE INSURANCE COMPANY, ORDER NUMBER 1410 007757878 EFFECTIVE DATE AUGUST 18, 1998.

6. ONLY THOSE UNDERGROUND UTILITIES, MARKED IN THE FIELD BY COMED LOCATORS (OR SUBCONTRACTORS) WHICH WAS THEN COORDINATED AND VERIFIED BY ... & ASSOCIATES THAT WAS FIELD VERIFIED BY SDI SHOWN HEREON. REMAINING UTILITY LOCATIONS BASED ON PLANIMETRIC MAPPING PROVIDED BY WESTERN AIR MAPS, INC.

7. COMPARE ALL POINTS IN FIELD PRIOR TO ANY CONSTRUCTION AND REPORT ANY DISCREPANCIES TO SURVEYOR AT ONCE.

8. PROPERTY IS SUBJECT TO SETBACKS AS ESTABLISHED PURSUANT TO LOCAL MUNICIPAL AND COUNTY ZONING ORDINANCES AS AMENDED.

9. DO NOT SCALE DIMENSIONS FROM THIS PLAT.

10. ONLY PRINTS OF THIS SURVEY WITH AN EMBOSSED SEAL SHALL BE DESIGNATED OFFICIAL COPIES. THIS SURVEY WAS PREPARED FOR THE SOLE USE OF THE CLIENT AS STATED HEREON AND IS NON-TRANSFERABLE.

11. CONFIGURATION OF PARCELS TO BE SOLD AND RETAINED SHOWN HEREON BASED ON INFORMATION PROVIDED BY CLIENT.

12. CALL D.I.G.G.E.R. AT 1-312-744-7000 FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY PRIOR TO ANY DIGGING OR CONSTRUCTION.

13. THE FOLLOWING ARE NOTES RELATING TO ITEMS LISTED IN SCHEDULE B OF THE FOREGOING TITLE COMMITMENT:

A. AT THE DIRECTION OF OUR CLIENT (COMMONWEALTH EDISON) PARCEL 5, 6 AND 7 ARE NOT INCLUDED IN THIS ALTA/ACSM LAND TITLE SURVEY.

B. (ITEM O 7 – SCHEDULE B)
AGREEMENT DATED AUGUST 24, 1942 AND RECORDED DECEMBER 2, 1942 AS DOCUMENT NUMBER 12988613 MADE BY AND BETWEEN THE CHICAGO AND ILLINOIS WESTERN RAILROAD AND THE COMMONWEALTH EDISON COMPANY ESTABLISHING A DIVIDING LINE BETWEEN PROPERTIES.
DOCUMENT 12988613 APPEARS TO BE AN UNRELATED DOCUMENT. THE CORRECT DOCUMENT SHOULD BE OBTAINED AND DELIVERED TO SDI CONSULTANTS.

C. (ITEM H 11 – SCHEDULE B)
GRANT DATED MARCH 24, 1949 AND RECORDED MAY 23, 1949 AS DOCUMENT NUMBER 14561212 IN FAVOR OF THE COMMONWEALTH EDISON COMPANY GRANTING THE RIGHT TO CONSTRUCT, INSTALL, AND MAINTAIN UNDERGROUND CONDUIT LINES UPON AND UNDER THE FOLLOWING DESCRIBED PREMISES PARCEL ... STRIP OF LAND ... FEET WIDE EXTENDING OVER AND ACROSS THE WESTERLY 10 FEET OF LOT 37 ALSO RIGHT TO CONSTRUCT AND MAINTAIN WATER MAIN NOT TO EXCEED 12 INCHES INTERNAL DIAMETER UNDER AND THROUGH SAID PARCEL ... ABOVE DESCRIBED.
UNABLE TO DETERMINE THE LOCATION OF THE 20 FOOT WIDE EASEMENT IN A NORTH/SOUTH DIRECTION, AFTER EXAMINATION OF AN ENLARGEMENT OF THE ATTACHED EXHIBIT.

D. (ITEM J 12 – SCHEDULE B)
CONDITIONS, RESERVATIONS AND RESTRICTION CONTAINED IN DEED RECORDED JANUARY 26, 1943 AS DOCUMENT NUMBER 13022929.
SDI CONSULTANTS HAS NOT RECEIVED THIS DOCUMENT (12-4-98)

E. (ITEM N 15 – SCHEDULE B)
GRANT BY ORDINANCE RECORDED NOVEMBER 5, 1938 AS DOCUMENT ... BY THE BOARD OF TRUSTEES OF THE SANITARY DISTRICT OF CHICAGO TO THE CITY OF CHICAGO OF RIGHT, PRIVILEGE AND AUTHORITY TO CONSTRUCT, MAINTAIN, OPERATE AND REPAIR A SEWER AND OUTFALL STRUCTURE TO CONNECT WITH THE MAIN CHANNEL OF THE SANITARY DISTRICT OF CHICAGO UPON, UNDER AND THROUGH THE WEST 33 FEET OF THE LAND.
SDI CONSULTANTS HAS NOT RECEIVED THIS DOCUMENT (12-4-98)

F. (ITEM O 17 – SCHEDULE B)
AFFECTS PARCEL 5 WHICH IS NOT INCLUDED IN THIS ALTA/ACSM LAND TITLE SURVEY B (SEE NOTE 13A)

G. (ITEM P 18 – SCHEDULE B)
AFFECTS PARCEL 6 WHICH IS NOT INCLUDED IN THIS ALTA/ACSM LAND TITLE SURVEY B (SEE NOTE 13A)

H. (ITEM Q 19 – SCHEDULE B)
AFFECTS PARCEL 7 WHICH IS NOT INCLUDED IN THIS ALTA/ACSM LAND TITLE SURVEY (SEE NOTE 13A)

I. (ITEM X 24 – SCHEDULE B)
AGREEMENT DATED SEPTEMBER 5, 1984 AND RECORDED JULY 23, 1985 AS DOCUMENT NUMBER 85112130 MADE BY AND BETWEEN COMPANY AND THE ILLINOIS BELL TELEPHONE COMPANY A PERPETUAL, CENTERLINE EASEMENT WITHOUT WARRANTY, THE RIGHT AND PRIVILEGE TO INSTALL, OPERATE, MAINTAIN, REPLACE AND REMOVE ONE COMMUNICATION CABLE AND TWO POLES IN, UNDER AND ACROSS PARCEL 19 OF THE CRAWFORD STATION PROPERTY IN THE SOUTHWEST 1/4 OF SECTION 35, TOWNSHIP 39 NORTH, RANGE 13, EAST OF THIRD PRINCIPAL MERIDIAN.
A SKETCH SHOWING THE LOCATION OF THE 2 JOINT POLES IS ATTACHED TO THE AFORESAID DOCUMENT (EXHIBIT "A"). THE TIES TO THE POLE LINE ARE NOT CLEAR AND REFERENCES A FENCE WHICH NO LONGER EXIST. HOWEVER BY EXTENDING THE WEST LINE OF LAWNDALE AND MEASURING FROM THE SOUTH LINE OF 35TH STREET THE SOUTHERLY POLE OF THE 2 POLES APPEARS TO FIT TIES ON THE EXHIBIT. THEREFORE I HAVE SHOWN THE EASEMENT AS BEING ALONG THE POLE LINE FROM THE SAID SOUTHERLY POLE, NORTH TO THE SOUTH LINE OF 35TH STREET.

LINE	ANGLE	DISTANCE
L1	S89°04'03"W	34.03'
L2	S67°11'38"W	53.69'
L3	N82°27'48"E	58.33'
L4	N59°26'34"E	240.62'
L5	N90°26'00"E	69.76'
L6	N75°38'04"E	113.33'
L7	N89°48'09"E	118.13'
L8	S88°58'44"W	137.90'
L9	N33°20'57"W	116.75'
L10	N1°01'16"W	215.41'
L11	S1°31'51"E	150.17'
L12	S89°48'09"W	35.02'
L13	S1°11'51"E	169.87'
L14	N80°42'09"E	24.89'
L15	S1°11'51"E	161.34'
L16	N89°50'44"E	248.62'
L17	N50°07'18"E	173.76'
L18	N80°30'19"E	172.65'
L19	N87°12'33"E	235.51'
L20	N42°05'27"E	91.10'
L21	N0°55'07"W	50.69'
L22	N89°04'03"E	94.81'
L23	S14°56'53"E	157.02'
L24	S22°32'25"E	100.06'
L25	S54°31'30"E	44.94'
L26	N37°50'56"E	83.32'
L27	S83°59'44"W	20.32'
L28	S1°11'51"E	138.87'
L29	N1°01'16"W	160.37'
L30	S88°59'44"W	57.47'
L31	S06°20'53"W	87.37'
L32	S29°35'42"W	94.44'
L33	N41°16'26"E	65.80'
L34	S41°15'25"W	72.79'
L35	S37°50'58"W	90.96'
L36	N84°51'30"W	67.23'
L37	N22°52'25"W	103.80'
L38	N04°16'53"W	175.65'
L39	S89°04'03"W	75.13'
L40	S22°47'27"E	31.13'
L41	N22°47'27"W	50.94'
L42	N1°21'51"W	20.00'
L43	N9°07'18"E	20.37'
L44	N65°48'03"E	52.43'
L45	N1°01'18"W	46.00'
L46	N88°50'44"E	59.70'
L47	N88°50'44"E	28.00'
L48	N88°58'44"E	23.00'
L49	N1°01'16"W	181.86'
L50	N1°01'16"W	151.88'
L51	N58°04'03"E	206.03'
L52	N0°30'57"W	283.82'
L53	N0°38'57"W	150.88'
L54	S67°32'32"W	45.64'
L55	N62°59'03"E	90.41'
L56	N76°36'04"E	152.04'
L57	S1°06'16"E	94.53'
L58	S85°48'08"W	917.71'
L59	N0°56'57"W	302.69'

CURVE	CHORD BEARING	RADIUS	ARC LENGTH
C1	S28°34'03"W	34.00'	38.01'
C2	N20°34'03"E	70.00'	72.08'
C3	S37°50'03"W	100.00'	135.32'
C4	S82°29'23"W	1471.16'	310.86'
C5	N82°16'27"W	400.35'	125.49'
C6	N31°10'07"W	43.01'	55.80'
C7	N25°15'50"E	229.74'	98.46'
C8	N77°54'42"E	1553.30'	71.68'
C9	S82°38'23"W	1503.18'	317.72'

RECORD DOCUMENTS

*1 SANITARY DISTRICT TRUSTEES SUBDIVISION RECORDED MARCH 31, 1903 AS DOC. NO. 4180216

*2 COOLBAUGH AND LIBBY'S SUBDIVISION RECORDED APRIL 22, 1876

*3 25' EASEMENT RECORDED DECEMBER 5, 1927 AS DOCUMENT 9851538

*4 30' EASEMENT RECORDED DECEMBER 5, 1927 AS DOCUMENT 9851539

*5 EASEMENT FOR BRIDGE APPROACH AND RETAINING WALLS RECORDED DECEMBER 5, 1927 AS DOCUMENT 9881537

FLOOD HAZARD NOTE:
THIS PROPERTY FALLS WITHIN ZONES A (AREA OF 100 YEAR FLOOD) AND C (AREA OF MINIMAL FLOODING) AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, PANEL NO. 170074 0070 B, EFFECTIVE DATE JUNE 1, 1981.

BASIS OF BEARINGS:
THE SOUTH LINE OF THE NORTHWEST QUARTER OF SECTION 35-39-13 ASSUMED TO BE: N89°48'09"E

AREA SUMMARY IN ACRES

	GROSS ACRES	NET ACRES
SOLD	65.755	64.579
RETAINED	15.726	15.612
PER TITLE	81.481	80.191

NO.	DATE	DESCRIPTION
1	11/13/98	IN PROGRESS REVISION DATE
2	11/17/98	IN PROGRESS REVISION DATE
3	11/17/98	IN PROGRESS REVISION DATE
4	11/22/98	IN PROGRESS REVISION DATE
5	11/24/98	IN PROGRESS REVISION DATE
6	12/02/98	IN PROGRESS REVISION DATE

REVISIONS

ALTA/ACSM LAND TITLE SURVEY
CRAWFORD STATION, CHICAGO IL.

Project No: 98156
Group No: V59
SHEET NO. 1 of 3

DRAFTING COMPLETED: 8/15/99
FIELD WORK COMPLETED: 8/4/98
DRAWN BY: BAO
CHECKED BY: EAH
PROJECT MANAGER: EAH
SCALE: 1" = 120'

PREPARED FOR
COMMONWEALTH EDISON COMPANY
1 N. 423 Swift Rd.
LOMBARD, IL 60148
630.691.4407

SDI
Consulting Engineers Surveyors
CONSULTANTS LTD.
1200 Park Blvd
Oak Brook, IL 60523
630/571/0000
Fax 630/571/0100

TABLE 1

CHICAGO MONTHLY PRECIPITATION TOTALS SUMMARY

ALL DATA IN INCHES

		Precipitation		Snow's	Total
Month	Year	Rain	Snow	Rain Eq.	Precip
Oct	2010	0.93			0.93
Nov	2010	2.51			2.51
Dec	2010	2.35	16.2	1.62	3.97
Jan	2011	0.92	11.1	1.11	2.03
Feb	2011	3.52	29.0	2.9	6.42
Mar	2011	2.62	1.0	0.1	2.72
Apr	2011	4.9	0.6	0.06	4.96
May	2011	7.27			7.27
Jun	2011	3.39			3.39
Jul	2011	11.15			11.15
Aug	2011	4.54			4.54
Sep	2011	3.45			3.45
TOTALS:		**47.55**	**57.9**	**5.79**	**53.34**

TABLE 2
CRAWFORD ESTIMATED STORMWATER VOLUME BASIN 9

BASIN #	ACRES	C	Precipitation I ("Events")	Flow CFS per Event	Flow GPM per Event	"Events" per Yr	Annual Flow, Gals
5	6.4	0.6	2.1	8.064	3,619	25.4	5,515,544
6	2.0	0.6	2.1	2.52	1,131	25.4	1,723,607
7	2.5	0.6	2.1	3.15	1,414	25.4	2,154,509
8	2.0	0.6	2.1	2.52	1,131	25.4	1,723,607
9	2.1	0.6	2.1	2.646	1,188	25.4	1,809,788
12	1.7	0.6	2.1	2.142	961	25.4	1,465,066
22	0.5	0.6	2.1	0.63	283	25.4	430,902
TOTALS:	**17.2**						**14,823,024**

Assumes all precipitation as exactly 2.1" rain events, and at 1 hour per event

TABLE 3
CHICAGO MONTHLY PRECIPITATION TOTALS SUMMARY
36-MONTH TOTALS THRU SEPT 2011
ALL DATA IN INCHES

		Precipitation		Snow's	Total
Month	Year	Rain	Snow	Rain Eq.	Precip
Oct	2008	2.07			2.07
Nov	2008	1.81	0.6	0.06	1.87
Dec	2008	5.77	21.9	2.19	7.96
Jan	2009	1.16	21.5	2.15	3.31
Feb	2009	3.39	4.5	0.45	3.84
Mar	2009	5.20	2.1	0.21	5.41
Apr	2009	5.19			5.19
May	2009	3.63			3.63
Jun	2009	7.18			7.18
Jul	2009	1.53			1.53
Aug	2009	4.26			4.26
Sep	2009	1.03			1.03
Oct	2009	6.04			6.04
Nov	2009	1.23			1.23
Dec	2009	2.73	20.8	2.08	4.81
Jan	2010	1.13	9.1	0.91	2.04
Feb	2010	1.64	22.5	2.25	3.89
Mar	2010	1.55	1.8	0.18	1.73
Apr	2010	3.01			3.01
May	2010	4.90			4.9
Jun	2010	6.17			6.17
Jul	2010	8.84			8.84
Aug	2010	1.80			1.8
Sep	2010	2.78			2.78
Oct	2010	0.93			0.93
Nov	2010	2.51			2.51
Dec	2010	2.35	16.2	1.62	3.97
Jan	2011	0.92	11.1	1.11	2.03
Feb	2011	3.52	29.0	2.9	6.42
Mar	2011	2.62	1.0	0.1	2.72
Apr	2011	4.9	0.6	0.06	4.96
May	2011	7.27			7.27
Jun	2011	3.39			3.39
Jul	2011	11.15			11.15
Aug	2011	4.54			4.54
Sep	2011	3.45			3.45
3-YEAR TOTALS:		**131.59**	**162.7**	**16.27**	**147.86**
AVG ANNUAL TOTALS:		**43.86**	**54.23**	**5.42**	**49.29**

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: OCTOBER
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	73	48	61	3	4	0	0.08	0.0	0	6.2	17	360	M	M	4	1	23	10
2	57	45	51	-7	14	0	0.26	0.0	0	15.4	29	10	M	M	8	1	35	10
3	56	42	49	-8	16	0	0.08	0.0	0	11.3	22	50	M	M	6	1	31	30
4	60	38	49	-8	16	0	0.00	0.0	0	3.6	10	60	M	M	4		20	60
5	68	39	54	-3	11	0	0.00	0.0	0	3.5	12	320	M	M	0		16	70
6	78	46	62	6	3	0	0.00	0.0	0	7.9	16	250	M	M	1		23	240
7	76	49	63	7	2	0	0.00	0.0	0	6.2	13	310	M	M	0		17	330
8	79	48	64	9	1	0	0.00	0.0	0	7.3	16	250	M	M	1		22	250
9	86	55	71	16	0	6	0.00	0.0	0	3.6	10	200	M	M	1	1	18	40
10	84	57	71	16	0	6	0.00	0.0	0	4.1	14	220	M	M	5	1	20	220
11	82	54	68	14	0	3	0.00	0.0	0	4.0	15	40	M	M	6		M	M
12	76	52	64	10	1	0	0.00	0.0	0	3.9	12	60	M	M	6		25	60
13	66	47	57	4	8	0	0.10	0.0	0	8.6	21	340	M	M	6	3	29	40
14	66	43	55	2	10	0	0.00	0.0	0	9.2	23	330	M	M	5		29	360
15	63	45	54	1	11	0	0.00	0.0	0	8.1	20	360	M	M	3		24	40
16	71	40	56	4	9	0	0.00	0.0	0	9.1	23	200	M	M	1	1	31	200
17	65	47	56	4	9	0	0.00	0.0	0	5.4	12	340	M	M	4		22	60
18	61	43	52	1	13	0	0.00	0.0	0	6.2	13	50	M	M	7	8	24	60
19	60	39	50	-1	15	0	0.00	0.0	0	7.2	16	280	M	M	5		22	280
20	70	44	57	7	8	0	T	0.0	0	12.1	25	330	M	M	4		32	280
21	56	38	47	-3	18	0	0.00	0.0	0	10.0	23	340	M	M	4		30	360
22	64	33	49	-1	16	0	0.02	0.0	0	6.5	15	210	M	M	2		20	210
23	65	54	60	11	5	0	0.10	0.0	0	11.4	30	210	M	M	10	1	38	220
24	72	54	63	14	2	0	0.05	0.0	0	9.6	22	220	M	M	8	13	31	210
25	72	56	64	16	1	0	0.00	0.0	0	12.4	26	180	M	M	7	1	36	170
26	70	54	62	14	3	0	0.24	0.0	0	26.3	38	180	M	M	8	13	51	220
27	65	43	54	6	11	0	0.00	0.0	0	23.2	41	230	M	M	3		55	260
28	46	39	43	-4	22	0	T	0.0	0	14.1	23	280	M	M	10		30	280
29	50	31	41	-6	24	0	0.00	0.0	0	8.9	17	210	M	M	6		23	220
30	63	42	53	7	12	0	0.00	0.0	0	13.3	22	240	M	M	5		31	240
31	52	36	44	-2	21	0	0.00	0.0	0	6.9	13	60	M	M	5		25	30
SM	2072	1401			286	15	0.93		0.0	285.5			M		145			
AV	66.8	45.2								9.2	FASTST		M	M	5		MAX(MPH)	
									MISC ---->	#	41	230					# 55	260

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: OCTOBER
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 56.0
DPTR FM NORMAL: 3.9
HIGHEST: 86 ON 9
LOWEST: 31 ON 29

[PRECIPITATION DATA]

TOTAL FOR MONTH: 0.93
DPTR FM NORMAL: -1.78
GRTST 24HR 0.26 ON 2- 2

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 1
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 8
0.10 INCH OR MORE: 4
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 286
DPTR FM NORMAL -115
TOTAL FM JUL 1 356
DPTR FM NORMAL -172

CLEAR (SCALE 0-3) 8
PTCLDY (SCALE 4-7) 19
CLOUDY (SCALE 8-10) 4

[CDD (BASE 65)]
TOTAL THIS MO. 15
DPTR FM NORMAL 5
TOTAL FM JAN 1 1181
DPTR FM NORMAL 351

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 28.93 ON 26

[REMARKS]
#FINAL-10-10#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: NOVEMBER
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:		WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	54	32	43	-2	22	0	0.00	0.0	0	5.3	14	80	M	M	3		22	80
2	52	32	42	-3	23	0	0.00	0.0	0	4.4	13	120	M	M	1	1	17	70
3	54	31	43	-2	22	0	0.01	0.0	0	8.1	15	220	M	M	6		18	230
4	51	38	45	1	20	0	0.01	0.0	0	14.8	22	40	M	M	6		28	340
5	40	28	34	-10	31	0	0.00	0.0	0	12.0	24	330	M	M	4		29	350
6	46	25	36	-7	29	0	0.00	0.0	0	6.6	16	210	M	M	4		21	210
7	59	35	47	4	18	0	0.00	0.0	0	8.7	17	210	M	M	4		21	220
8	67	38	53	11	12	0	0.00	0.0	0	6.7	14	180	M	M	3		17	170
9	69	40	55	13	10	0	0.00	0.0	0	6.1	13	100	M	M	1		18	80
10	68	43	56	14	9	0	0.00	0.0	0	8.1	16	170	M	M	4		21	190
11	67	46	57	16	8	0	0.34	0.0	0	6.6	14	330	M	M	7	1	18	70
12	56	48	52	11	13	0	T	0.0	0	9.2	15	40	M	M	8		28	30
13	57	39	48	8	17	0	0.03	0.0	0	15.4	25	230	M	M	10	18	37	240
14	48	37	43	3	22	0	0.08	0.0	0	13.2	24	230	M	M	9	1	31	280
15	51	32	42	2	23	0	0.00	0.0	0	7.5	20	200	M	M	5	1	25	200
16	50	32	41	2	24	0	0.00	0.0	0	5.2	12	90	M	M	7	18	21	50
17	47	37	42	3	23	0	T	0.0	0	7.9	15	340	M	M	9	18	18	330
18	39	26	33	-5	32	0	0.00	0.0	0	6.6	13	300	M	M	7	8	17	330
19	51	25	38	0	27	0	0.00	0.0	0	10.7	28	200	M	M	6	18	35	200
20	43	30	37	0	28	0	0.00	0.0	0	9.2	17	30	M	M	9	18	29	50
21	60	41	51	14	14	0	T	0.0	0	13.6	26	200	M	M	10	18	35	210
22	67	39	53	16	12	0	1.37	0.0	0	14.5	26	170	M	M	10	138	44	150
23	39	26	33	-3	32	0	0.00	0.0	0	10.6	24	290	M	M	1		30	290
24	40	25	33	-3	32	0	0.13	T	0	15.2	29	130	M	M	9	14	37	130
25	39	21	30	-5	35	0	0.01	0.0	0	9.9	22	290	M	M	8	1	29	270
26	32	18	25	-10	40	0	0.00	0.0	0	15.0	24	260	M	M	4		31	260
27	34	21	28	-6	37	0	0.00	0.0	0	7.7	17	290	M	M	2		24	280
28	46	22	34	0	31	0	0.00	0.0	0	9.9	17	170	M	M	6		22	180
29	49	33	41	7	24	0	0.51	0.0	0	12.7	25	130	M	M	9	1	30	140
30	49	25	37	4	28	0	0.02	T	0	15.4	25	250	M	M	10	1	33	240
SM	1524	965			698	0	2.51	T		296.8			M		182			
AV	50.8	32.2								9.9	FASTST		M	M	6		MAX(MPH)	
									MISC ---->	# 29	130						# 44	150

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: NOVEMBER
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 41.5
DPTR FM NORMAL: 2.2
HIGHEST: 69 ON 9
LOWEST: 18 ON 26

[PRECIPITATION DATA]

TOTAL FOR MONTH: 2.51
DPTR FM NORMAL: -0.50
GRTST 24HR 1.37 ON 22-22

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: T
GRTST 24HR T ON 30-30
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 1
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 17
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 10
0.10 INCH OR MORE: 4
0.50 INCH OR MORE: 2
1.00 INCH OR MORE: 1

[HDD (BASE 65)]
TOTAL THIS MO. 698
DPTR FM NORMAL -61
TOTAL FM JUL 1 1054
DPTR FM NORMAL -233

CLEAR (SCALE 0-3) 5
PTCLDY (SCALE 4-7) 15
CLOUDY (SCALE 8-10) 10

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 1181
DPTR FM NORMAL 351

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.54 ON 30

[REMARKS]
#FINAL-11-10#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: DECEMBER
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	26	22	24	-9	41	0	T	0.1	0	14.5	22	280	M	M	10		30	280
2	33	22	28	-4	37	0	0.00	0.0	0	9.0	15	260	M	M	9		21	290
3	31	18	25	-7	40	0	T	T	0	3.6	9	310	M	M	6		20	50
4	32	23	28	-3	37	0	0.49	5.1	2	7.5	17	340	M	M	9	12	23	10
5	26	12	19	-12	46	0	T	T	4	12.4	21	320	M	M	5	1	24	320
6	20	8	14	-17	51	0	T	T	3	12.6	20	310	M	M	7		23	330
7	20	11	16	-14	49	0	0.00	0.0	3	10.2	16	300	M	M	2		21	300
8	25	7	16	-14	49	0	0.00	0.0	3	7.1	13	330	M	M	3		17	340
9	29	5	17	-13	48	0	0.03	0.8	3	10.3	23	190	M	M	9	18	28	190
10	37	23	30	1	35	0	0.00	0.0	3	7.8	16	210	M	M	5	18	21	210
11	36	24	30	1	35	0	0.45	0.3	3	10.4	22	130	M	M	10	18	26	110
12	31	12	22	-6	43	0	0.04	0.6	1	22.6	33	360	M	M	10	189	47	10
13	16	7	12	-16	53	0	T	T	1	16.6	30	340	M	M	5		37	320
14	21	6	14	-14	51	0	0.00	0.0	1	7.4	13	320	M	M	1		20	30
15	25	2	14	-13	51	0	0.00	0.0	1	2.8	9	140	M	M	5	1	16	80
16	27	20	24	-3	41	0	0.01	0.7	1	5.6	14	310	M	M	10	1	21	30
17	22	13	18	-9	47	0	0.00	0.0	1	9.3	16	250	M	M	2	18	21	250
18	19	10	15	-11	50	0	0.00	0.0	1	10.1	18	260	M	M	3	18	23	280
19	21	8	15	-11	50	0	0.00	0.0	1	5.9	13	280	M	M	6	1	15	270
20	27	6	17	-9	48	0	0.20	3.0	1	6.6	16	130	M	M	8	18	20	90
21	31	26	29	3	36	0	0.02	T	3	7.5	17	280	M	M	8	126	23	280
22	35	18	27	2	38	0	T	T	0	11.5	21	290	M	M	7	158	31	30
23	29	19	24	-1	41	0	0.00	0.0	3	5.1	12	350	M	M	7	8	21	30
24	32	27	30	5	35	0	0.20	1.9	3	5.8	10	350	M	M	10	1	16	360
25	31	20	26	1	39	0	0.06	0.9	5	11.0	16	360	M	M	10	1	28	30
26	33	19	26	2	39	0	0.17	2.8	7	12.7	22	360	M	M	9	1	28	10
27	22	11	17	-7	48	0	0.00	0.0	6	8.8	14	210	M	M	4	1	18	230
28	27	12	20	-4	45	0	0.00	0.0	6	9.0	16	220	M	M	6	18	22	230
29	36	9	23	-1	42	0	0.01	0.0	6	9.9	22	190	M	M	6	1	25	180
30	46	34	40	17	25	0	T	0.0	3	16.7	25	190	M	M	10	1	33	190
31	53	41	47	24	18	0	0.67	0.0	0	14.1	25	200	M	M	10	13	32	200
SM	899	495			1308	0	2.35		16.2	304.4			M		212			
AV	29.0	16.0								9.8	FASTST		M	M	7		MAX(MPH)	
									MISC ---->	# 33	360						# 47	10

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: DECEMBER
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 22.5
DPTR FM NORMAL: -4.9
HIGHEST: 53 ON 31
LOWEST: 2 ON 15

[PRECIPITATION DATA]

TOTAL FOR MONTH: 2.35
DPTR FM NORMAL: -0.08
GRTST 24HR 0.68 ON 30-31

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 16.2 INCHES
GRTST 24HR 5.1 ON M
GRTST DEPTH: 7 ON 26

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 23
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 29
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 12
0.10 INCH OR MORE: 6
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 1308
DPTR FM NORMAL 157
TOTAL FM JUL 1 2362
DPTR FM NORMAL -76

CLEAR (SCALE 0-3) 4
PTCLDY (SCALE 4-7) 14
CLOUDY (SCALE 8-10) 13

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 1181
DPTR FM NORMAL 351

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 28.87 ON 30

[REMARKS]
#FINAL-12-10#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JANUARY
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	41	14	28	5	37	0	T	T	0	18.5	29	260	M	M	7		40	260
2	24	12	18	-5	47	0	0.00	0.0	0	11.0	20	230	M	M	2		25	230
3	36	22	29	6	36	0	0.00	0.0	0	8.1	15	220	M	M	6		20	210
4	30	13	22	0	43	0	0.00	0.0	0	10.0	20	280	M	M	3		25	280
5	31	8	20	-2	45	0	T	T	0	6.0	16	290	M	M	7		20	280
6	28	18	23	1	42	0	T	T	0	11.4	21	300	M	M	7	18	26	320
7	22	12	17	-5	48	0	0.02	0.6	0	11.0	21	340	M	M	10	1	24	320
8	24	9	17	-5	48	0	T	T	0	14.0	22	320	M	M	3		28	340
9	31	9	20	-2	45	0	0.00	0.0	0	3.1	10	270	M	M	4	8	15	60
10	33	18	26	4	39	0	0.00	0.0	0	7.8	18	110	M	M	9		26	80
11	27	22	25	3	40	0	0.31	5.9	0	10.7	20	330	M	M	10	12	25	320
12	26	20	23	1	42	0	T	T	0	12.5	21	330	M	M	9		25	340
13	24	15	20	-1	45	0	T	T	3	6.6	13	200	M	M	9	1	16	200
14	24	16	20	-1	45	0	0.01	0.1	2	5.7	15	230	M	M	10	1	20	240
15	24	13	19	-2	46	0	T	T	2	11.6	20	310	M	M	8	18	24	320
16	22	6	14	-7	51	0	T	T	2	4.6	14	340	M	M	8	1	26	360
17	32	18	25	4	40	0	0.31	0.9	2	12.1	24	190	M	M	10	1468	31	170
18	32	19	26	5	39	0	0.10	0.3	2	11.0	20	340	M	M	10	18	26	360
19	23	15	19	-3	46	0	T	T	2	8.6	16	340	M	M	9	18	18	340
20	19	5	12	-10	53	0	T	T	2	10.7	23	310	M	M	9	8	31	330
21	8	-4	2	-20	63	0	0.00	0.0	1	8.0	18	330	M	M	4		23	320
22	17	5	11	-11	54	0	0.01	0.7	2	10.5	17	320	M	M	9	1	22	20
23	20	4	12	-10	53	0	0.01	0.3	0	9.1	17	150	M	M	8	18	20	160
24	27	15	21	-1	44	0	0.03	0.5	2	9.6	16	250	M	M	10	1	22	240
25	29	21	25	3	40	0	T	0.0	2	5.0	10	260	M	M	10	18	14	260
26	28	18	23	1	42	0	T	0.2	2	7.1	13	330	M	M	10	18	18	310
27	25	17	21	-1	44	0	0.03	0.6	2	9.9	16	230	M	M	10	18	21	200
28	31	19	25	3	40	0	T	T	2	8.4	21	200	M	M	9	18	25	190
29	33	26	30	7	35	0	T	T	2	6.9	20	320	M	M	10	18	24	330
30	30	26	28	5	37	0	T	T	2	10.6	17	60	M	M	10	16	M	M
31	26	20	23	0	42	0	0.09	1.0	2	15.4	22	60	M	M	10	1	30	50
SM	827	451		1371		0	0.92		11.1	295.5			M		250			
AV	26.7	14.5								9.5	FASTST		M	M	8		MAX(MPH)	
									MISC ---->	# 29	260						# 40	260

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: JANUARY
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 20.6
DPTR FM NORMAL: -1.4
HIGHEST: 41 ON 1
LOWEST: -4 ON 21

[PRECIPITATION DATA]

TOTAL FOR MONTH: 0.92
DPTR FM NORMAL: -0.83
GRTST 24HR 0.68 ON 31- 1

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 11.1 INCHES
GRTST 24HR 5.9 ON M
GRTST DEPTH: 3 ON 13

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 27
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 31
MIN 0 OR BELOW: 1

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 10
0.10 INCH OR MORE: 3
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 1371
DPTR FM NORMAL 38
TOTAL FM JUL 1 3733
DPTR FM NORMAL -38

CLEAR (SCALE 0-3) 3
PTCLDY (SCALE 4-7) 8
CLOUDY (SCALE 8-10) 20

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 0
DPTR FM NORMAL 0

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.45 ON 7

[REMARKS]
#FINAL-01-11#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 011827
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: FEBRUARY
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	23	20	22	-1	43	0	0.74	13.6	3	23.8	41	40	M	M	10	1389	61	50
2	23	5	14	-9	51	0	0.74	6.6	15	18.0	39	30	M	M	8	29	51	30
3	16	-6	5	-19	60	0	0.00	0.0	18	11.0	20	230	M	M	1		24	240
4	25	5	15	-9	50	0	0.00	0.0	17	11.8	23	220	M	M	1		29	210
5	28	4	16	-8	49	0	0.00	0.0	17	5.4	15	240	M	M	5		20	230
6	32	24	28	4	37	0	0.20	2.6	17	5.0	14	340	M	M	10	12	20	360
7	32	19	26	1	39	0	0.13	3.2	19	6.3	14	340	M	M	9	1	21	50
8	20	2	11	-14	54	0	T	0.1	21	11.1	21	350	M	M	5	1	26	350
9	12	-2	5	-20	60	0	0.00	0.0	19	10.1	12	260	M	M	7		14	270
10	16	-9	4	-22	61	0	0.00	0.0	18	8.9	22	210	M	M	2		28	210
11	30	5	18	-8	47	0	T	T	18	8.9	18	220	M	M	9	8	23	220
12	37	24	31	5	34	0	T	T	17	11.2	20	230	M	M	6		24	220
13	45	32	39	13	26	0	0.00	0.0	16	15.8	25	240	M	M	5		36	240
14	42	26	34	7	31	0	0.00	0.0	14	12.9	26	340	M	M	5		37	270
15	38	23	31	4	34	0	T	0.0	10	12.6	21	200	M	M	7		26	200
16	49	37	43	16	22	0	0.00	0.0	8	8.4	17	190	M	M	10	18	23	190
17	56	47	52	24	13	0	0.00	0.0	4	17.5	28	190	M	M	10		37	190
18	50	33	42	14	23	0	0.00	0.0	0	15.5	28	280	M	M	3		36	270
19	35	25	30	2	35	0	0.00	0.0	0	8.1	17	300	M	M	4		23	60
20	36	28	32	3	33	0	0.95	T	0	11.2	18	130	M	M	9	134	25	60
21	33	25	29	0	36	0	T	T	0	15.1	22	70	M	M	10	1456	29	60
22	27	23	25	-4	40	0	0.03	0.6	0	7.5	13	90	M	M	10	1	20	60
23	33	24	29	-1	36	0	0.11	0.3	0	9.1	18	130	M	M	10	1	22	130
24	36	32	34	4	31	0	T	0.0	0	11.5	22	30	M	M	10	18	32	50
25	36	29	33	3	32	0	0.10	0.7	0	9.8	24	20	M	M	9		32	30
26	33	24	29	-2	36	0	0.13	1.3	1	4.6	12	230	M	M	10	16	21	40
27	36	25	31	0	34	0	0.25	0.0	1	8.1	20	360	M	M	8	13468	26	60
28	37	25	31	0	34	0	0.14	T	0	9.1	22	10	M	M	5	16	28	10
SM	916	549		1081		0	3.52		29.0	308.3			M		198			
AV	32.7	19.6								11.0	FASTST		M	M	7		MAX(MPH)	
									MISC ---->		# 41	40					# 61	50

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: FEBRUARY
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 26.2
DPTR FM NORMAL: -0.8
HIGHEST: 56 ON 17
LOWEST: -9 ON 10

[PRECIPITATION DATA]

TOTAL FOR MONTH: 3.52
DPTR FM NORMAL: 1.89
GRTST 24HR 1.52 ON 1- 2

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 29.0 INCHES
GRTST 24HR 13.6 ON M
GRTST DEPTH: 21 ON 8

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 12
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 25
MIN 0 OR BELOW: 3

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 11
0.10 INCH OR MORE: 10
0.50 INCH OR MORE: 3
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 1081
DPTR FM NORMAL 6
TOTAL FM JUL 1 4814
DPTR FM NORMAL -32

CLEAR (SCALE 0-3) 3
PTCLDY (SCALE 4-7) 11
CLOUDY (SCALE 8-10) 14

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 0
DPTR FM NORMAL 0

[PRESSURE DATA]

HIGHEST SLP 30.53 ON 3
LOWEST SLP 29.51 ON 13

[REMARKS]
#FINAL-02-11#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: MARCH
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:	SNOW:		WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	43	22	33	1	32	0	0.00	0.0	0	10.2	24	210	M	M	5	1	28	210
2	37	24	31	-1	34	0	0.00	0.0	0	10.6	20	350	M	M	5		28	60
3	45	25	35	2	30	0	T	0.0	0	12.6	21	150	M	M	8		25	150
4	54	35	45	12	20	0	1.11	0.0	0	7.9	22	10	M	M	9	1	26	360
5	36	27	32	-1	33	0	0.16	0.7	0	17.1	28	10	M	M	10	1	37	20
6	34	26	30	-4	35	0	0.00	0.0	1	8.9	20	10	M	M	9		31	70
7	34	24	29	-5	36	0	0.00	0.0	0	3.9	14	170	M	M	9	1	15	190
8	45	32	39	5	26	0	0.01	0.0	0	9.0	20	40	M	M	9	18	28	60
9	44	33	39	4	26	0	0.39	0.0	0	8.9	18	330	M	M	10	1	23	310
10	37	32	35	0	30	0	T	T	0	13.0	21	340	M	M	6		29	350
11	47	27	37	1	28	0	0.00	0.0	0	8.9	16	210	M	M	4		22	210
12	44	28	36	0	29	0	0.00	0.0	0	16.9	31	280	M	M	8		40	290
13	41	24	33	-3	32	0	0.00	0.0	0	5.7	14	300	M	M	6		23	50
14	42	26	34	-3	31	0	0.00	0.0	0	7.9	15	50	M	M	8	1	24	60
15	39	31	35	-2	30	0	0.00	0.0	0	6.9	13	20	M	M	9		24	50
16	60	32	46	9	19	0	0.00	0.0	0	8.4	18	200	M	M	6	1	24	200
17	67	48	58	20	7	0	0.00	0.0	0	16.4	26	210	M	M	9		33	210
18	53	34	44	6	21	0	0.00	0.0	0	7.7	15	300	M	M	8		21	320
19	50	28	39	1	26	0	0.00	0.0	0	6.2	15	110	M	M	4	1	26	70
20	57	40	49	10	16	0	0.32	0.0	0	11.5	24	120	M	M	9	13	29	130
21	60	41	51	12	14	0	0.02	0.0	0	8.6	17	50	M	M	9	13	29	50
22	42	37	40	1	25	0	0.30	0.0	0	14.9	24	100	M	M	8	13	30	80
23	41	28	35	-5	30	0	0.30	0.3	0	11.8	28	290	M	M	10	13	35	290
24	34	24	29	-11	36	0	0.01	T	0	10.5	22	20	M	M	8	1	28	60
25	34	24	29	-12	36	0	T	T	0	8.4	17	40	M	M	9		32	50
26	32	25	29	-12	36	0	0.00	0.0	0	14.6	22	40	M	M	8		37	50
27	35	23	29	-12	36	0	0.00	0.0	0	10.4	20	40	M	M	5		31	40
28	36	21	29	-13	36	0	0.00	0.0	0	7.8	15	50	M	M	4		31	60
29	42	24	33	-9	32	0	0.00	0.0	0	7.1	15	30	M	M	8		26	50
30	45	26	36	-6	29	0	0.00	0.0	0	7.8	14	50	M	M	5		28	60
31	48	23	36	-6	29	0	0.00	0.0	0	4.2	14	80	M	M	4		24	60
SM	1358	894			880	0	2.62		1.0	304.7			M		229			
AV	43.8	28.8								9.8	FASTST		M	M	7		MAX(MPH)	
									MISC ---->		# 31	280					# 40	290

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: MARCH
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 36.3
DPTR FM NORMAL: -1.0
HIGHEST: 67 ON 17
LOWEST: 21 ON 28

[PRECIPITATION DATA]

TOTAL FOR MONTH: 2.62
DPTR FM NORMAL: -0.03
GRTST 24HR 1.11 ON 4- 4

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 1.0 INCH
GRTST 24HR 0.7 ON M
GRTST DEPTH: 1 ON 6

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 1
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 24
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 9
0.10 INCH OR MORE: 6
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 1

[HDD (BASE 65)]
TOTAL THIS MO. 880
DPTR FM NORMAL 22
TOTAL FM JUL 1 5694
DPTR FM NORMAL -10

CLEAR (SCALE 0-3) 0
PTCLDY (SCALE 4-7) 16
CLOUDY (SCALE 8-10) 15

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL -1
TOTAL FM JAN 1 0
DPTR FM NORMAL -1

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.01 ON 31

[REMARKS]
#FINAL-03-11#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: APRIL
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	45	28	37	-6	28	0	0.18	0.0	0	6.8	17	340	M	M	9	18	23	350
2	54	36	45	2	20	0	0.00	0.0	0	10.0	22	290	M	M	6		26	300
3	72	35	54	11	11	0	0.13	0.0	0	14.7	32	210	M	M	9	3	40	210
4	68	40	54	10	11	0	0.11	0.0	0	16.6	33	220	M	M	9	13	43	220
5	53	33	43	-1	22	0	0.00	0.0	0	12.4	22	190	M	M	6		25	280
6	59	42	51	7	14	0	T	0.0	0	7.1	15	200	M	M	9	18	15	200
7	46	39	43	-2	22	0	0.25	0.0	0	8.7	17	90	M	M	10	18	28	60
8	45	40	43	-2	22	0	0.51	0.0	0	8.9	17	60	M	M	10	1	24	50
9	66	44	55	9	10	0	0.00	0.0	0	7.1	15	120	M	M	7	18	23	70
10	83	56	70	24	0	5	T	0.0	0	18.9	31	210	M	M	6	1	40	210
11	67	44	56	10	9	0	0.00	0.0	0	13.6	25	280	M	M	7		33	30
12	58	40	49	2	16	0	0.00	0.0	0	9.4	17	20	M	M	2	8	28	30
13	68	36	52	5	13	0	0.00	0.0	0	3.5	14	90	M	M	6		16	110
14	53	40	47	0	18	0	T	0.0	0	17.4	25	30	M	M	9		37	30
15	51	37	44	-4	21	0	0.34	0.0	0	18.3	26	70	M	M	10	138	38	60
16	49	35	42	-6	23	0	0.20	T	0	14.0	26	280	M	M	10	1	36	300
17	53	35	44	-4	21	0	0.08	0.0	0	13.8	28	290	M	M	8		35	270
18	41	32	37	-12	28	0	0.49	0.6	1	13.6	20	40	M	M	9	14	33	50
19	38	34	36	-13	29	0	0.95	0.0	0	17.8	26	30	M	M	10	135	36	20
20	43	32	38	-11	27	0	0.01	0.0	0	11.6	21	280	M	M	8	1	28	280
21	50	32	41	-9	24	0	0.03	0.0	0	8.1	17	70	M	M	6		32	60
22	46	39	43	-7	22	0	0.56	0.0	0	12.0	25	120	M	M	9	13	30	120
23	64	45	55	5	10	0	0.00	0.0	0	11.4	28	260	M	M	8	1	36	250
24	56	45	51	0	14	0	0.00	0.0	0	7.1	14	50	M	M	9		25	70
25	54	45	50	-1	15	0	0.34	0.0	0	10.4	22	100	M	M	10	1	29	50
26	68	47	58	7	7	0	0.38	0.0	0	16.4	31	230	M	M	9	1	41	210
27	55	43	49	-3	16	0	0.31	0.0	0	7.2	18	300	M	M	10	1	23	300
28	45	40	43	-9	22	0	0.03	M	0	12.6	22	260	M	M	10	1	30	270
29	62	36	49	-4	16	0	0.00	0.0	0	6.9	16	100	M	M	4		21	100
30	71	48	60	7	5	0	0.00	0.0	0	18.5	31	170	M	M	9	8	41	150
SM	1683	1178			516	5	4.90		0.6	354.8			M		244			
AV	56.1	39.3								11.8	FASTST		M	M	8		MAX(MPH)	
									MISC ---->		# 33	220					# 43	220

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: APRIL
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 47.7
DPTR FM NORMAL: -0.1
HIGHEST: 83 ON 10
LOWEST: 28 ON 1

[PRECIPITATION DATA]

TOTAL FOR MONTH: 4.90
DPTR FM NORMAL: 1.22
GRTST 24HR 0.96 ON 19-20

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.6 INCH
GRTST 24HR 0.6 ON M
GRTST DEPTH: 1 ON 18

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 4
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 17
0.10 INCH OR MORE: 13
0.50 INCH OR MORE: 3
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 516
DPTR FM NORMAL 3
TOTAL FM JUL 1 6210
DPTR FM NORMAL -7

CLEAR (SCALE 0-3) 1
PTCLDY (SCALE 4-7) 11
CLOUDY (SCALE 8-10) 18

[CDD (BASE 65)]
TOTAL THIS MO. 5
DPTR FM NORMAL -4
TOTAL FM JAN 1 5
DPTR FM NORMAL -5

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.14 ON 3

[REMARKS]
#FINAL-04-11#

Untitled

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 012338
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: MAY
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:	SNOW:		WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	63	47	55	2	10	0	0.00	0.0	0	11.9	28	290	M	M	7		36	240
2	59	42	51	-3	14	0	0.00	0.0	0	9.9	17	60	M	M	8		32	60
3	50	37	44	-10	21	0	T	0.0	0	7.6	15	40	M	M	8		25	30
4	59	37	48	-6	17	0	0.00	0.0	0	7.6	16	20	M	M	7		28	50
5	63	35	49	-6	16	0	0.06	0.0	0	11.5	23	190	M	M	7	1	29	200
6	68	44	56	1	9	0	T	0.0	0	7.8	21	290	M	M	5	1	28	290
7	60	43	52	-4	13	0	T	0.0	0	6.9	15	70	M	M	9	1	23	50
8	68	39	54	-2	11	0	0.00	0.0	0	7.2	15	60	M	M	4		32	60
9	73	47	60	4	5	0	T	0.0	0	14.7	26	110	M	M	8		32	120
10	90	62	76	19	0	11	0.00	0.0	0	8.6	21	160	M	M	6		25	70
11	87	63	75	18	0	10	0.13	0.0	0	6.6	24	310	M	M	5	138	29	310
12	86	58	72	15	0	7	0.29	0.0	0	8.1	22	280	M	M	8	138	31	260
13	77	47	62	4	3	0	0.02	0.0	0	11.0	28	20	M	M	9	1	37	20
14	53	45	49	-9	16	0	0.31	0.0	0	16.9	28	20	M	M	10	1	38	40
15	46	41	44	-14	21	0	0.31	0.0	0	21.4	31	20	M	M	10	1	39	30
16	52	37	45	-14	20	0	0.00	0.0	0	13.9	26	40	M	M	1		36	40
17	60	40	50	-9	15	0	0.00	0.0	0	12.7	24	20	M	M	6		33	40
18	57	49	53	-6	12	0	0.07	0.0	0	7.1	13	60	M	M	10	1	23	50
19	72	49	61	1	4	0	0.00	0.0	0	5.8	14	60	M	M	8	18	28	60
20	73	50	62	2	3	0	0.00	0.0	0	6.0	13	50	M	M	6	18	24	60
21	75	50	63	3	2	0	0.01	0.0	0	8.1	17	160	M	M	8	18	22	160
22	87	61	74	13	0	9	0.58	T	0	11.4	29	300	M	M	5	135	36	300
23	79	60	70	9	0	5	T	0.0	0	11.3	24	260	M	M	7	18	33	240
24	66	47	57	-5	8	0	0.11	0.0	0	12.4	20	50	M	M	6	13	31	40
25	67	47	57	-5	8	0	2.24	0.0	0	11.7	28	20	M	M	10	123	36	10
26	49	43	46	-16	19	0	1.06	0.0	0	17.8	26	10	M	M	9	1	39	30
27	58	40	49	-14	16	0	T	0.0	0	8.7	17	50	M	M	7		26	60
28	62	51	57	-6	8	0	0.12	0.0	0	6.7	17	180	M	M	9	12	23	180
29	70	52	61	-2	4	0	1.88	0.0	0	5.7	23	280	M	M	10	123	30	270
30	88	56	72	8	0	7	0.00	0.0	0	12.8	26	180	M	M	3	1	36	190
31	85	69	77	13	0	12	0.08	0.0	0	13.2	25	210	M	M	5	3	33	240
SM	2102	1488		275	61		7.27	T		323.0			M		221			
AV	67.8	48.0								10.4	FASTST		M	M	7		MAX(MPH)	
									MISC ---->	# 31	20						# 39	30

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: MAY
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 57.9
DPTR FM NORMAL: -0.8
HIGHEST: 90 ON 10
LOWEST: 35 ON 5

[PRECIPITATION DATA]

TOTAL FOR MONTH: 7.27
DPTR FM NORMAL: 3.89
GRTST 24HR 3.18 ON 25-26

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: T
GRTST 24HR T ON 22-22
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 1
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 15
0.10 INCH OR MORE: 10
0.50 INCH OR MORE: 4
1.00 INCH OR MORE: 3

[HDD (BASE 65)]

TOTAL THIS MO. 275
DPTR FM NORMAL 43
TOTAL FM JUL 1 6485
DPTR FM NORMAL 36

CLEAR (SCALE 0-3) 2
PTCLDY (SCALE 4-7) 17
CLOUDY (SCALE 8-10) 12

[CDD (BASE 65)]

TOTAL THIS MO. 61
DPTR FM NORMAL 13
TOTAL FM JAN 1 66
DPTR FM NORMAL 8

[PRESSURE DATA]

HIGHEST SLP 30.42 ON 4
LOWEST SLP 29.54 ON 23

[REMARKS]
#FINAL-05-11#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JUNE
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	81	59	70	6	0	5	0.00	0.0	0	10.5	25	280	M	M	3		36	250
2	69	56	63	-2	2	0	0.02	0.0	0	9.4	18	40	M	M	8		M	M
3	87	55	71	6	0	6	0.01	0.0	0	11.5	22	170	M	M	6		26	170
4	92	64	78	13	0	13	0.18	0.0	0	8.5	23	40	M	M	6	38	28	30
5	85	60	73	8	0	8	T	0.0	0	5.4	13	70	M	M	5		26	60
6	93	60	77	11	0	12	0.00	0.0	0	9.7	23	210	M	M	3		30	240
7	96	75	86	20	0	21	0.00	0.0	0	10.6	22	210	M	M	2		28	210
8	95	66	81	15	0	16	0.17	0.0	0	13.4	36	300	M	M	6	13	47	300
9	69	50	60	-7	5	0	0.93	0.0	0	12.5	26	60	M	M	10	135	37	40
10	69	51	60	-7	5	0	0.52	0.0	0	8.0	17	20	M	M	10	138	28	50
11	62	52	57	-10	8	0	0.03	0.0	0	5.7	15	50	M	M	9	128	24	40
12	64	50	57	-10	8	0	0.00	0.0	0	8.9	20	50	M	M	7	1	29	40
13	72	54	63	-5	2	0	0.00	0.0	0	7.8	15	70	M	M	6		31	60
14	77	53	65	-3	0	0	0.00	0.0	0	8.6	18	130	M	M	9		25	70
15	71	57	64	-4	1	0	0.80	0.0	0	11.2	32	110	M	M	9	13	37	120
16	81	61	71	2	0	6	0.04	0.0	0	7.5	17	290	M	M	5	1	24	270
17	82	60	71	2	0	6	0.00	0.0	0	6.6	16	50	M	M	7		25	60
18	84	61	73	4	0	8	0.00	0.0	0	6.4	14	70	M	M	9		24	60
19	81	63	72	3	0	7	0.00	0.0	0	5.2	13	110	M	M	9	18	18	70
20	79	65	72	3	0	7	0.18	0.0	0	8.1	20	150	M	M	9	13	23	160
21	89	66	78	8	0	13	0.45	0.0	0	12.1	55	210	M	M	9	13	70	200
22	73	64	69	-1	0	4	0.02	0.0	0	13.4	25	230	M	M	8	1	37	230
23	71	62	67	-3	0	2	0.01	0.0	0	12.7	22	280	M	M	10	1	29	280
24	68	60	64	-6	1	0	0.00	0.0	0	9.6	17	300	M	M	10		23	320
25	79	58	69	-2	0	4	0.00	0.0	0	4.6	12	100	M	M	8		16	90
26	81	57	69	-2	0	4	0.00	0.0	0	6.9	15	90	M	M	5		25	70
27	81	65	73	2	0	8	0.03	0.0	0	10.8	21	160	M	M	7	18	28	160
28	81	63	72	1	0	7	0.00	0.0	0	9.6	20	320	M	M	1		24	320
29	81	59	70	-1	0	5	0.00	0.0	0	5.4	13	80	M	M	2		23	80
30	88	60	74	2	0	9	T	0.0	0	9.4	31	130	M	M	6	3	37	130
SM	2381	1786			32	171	3.39		0.0	270.0			M		204			
AV	79.4	59.5								9.0	FASTST		M	M	7		MAX(MPH)	
									MISC ---->	#	55	210					# 70	200

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: JUNE
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 69.4
DPTR FM NORMAL: 1.2
HIGHEST: 96 ON 7
LOWEST: 50 ON 12, 9

[PRECIPITATION DATA]

TOTAL FOR MONTH: 3.39
DPTR FM NORMAL: -0.24
GRTST 24HR 1.19 ON 9-10

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 4
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 14
0.10 INCH OR MORE: 7
0.50 INCH OR MORE: 3
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 32
DPTR FM NORMAL -17
TOTAL FM JUL 1 6517
DPTR FM NORMAL 19

CLEAR (SCALE 0-3) 3
PTCLDY (SCALE 4-7) 15
CLOUDY (SCALE 8-10) 12

[CDD (BASE 65)]
TOTAL THIS MO. 171
DPTR FM NORMAL 12
TOTAL FM JAN 1 237
DPTR FM NORMAL 20

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.53 ON 21

[REMARKS]
#FINAL-06-11#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JULY
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	89	72	81	9	0	16	0.00	0.0	0	14.9	30	150	M	M	8		39	140
2	94	71	83	11	0	18	0.00	0.0	0	8.3	17	330	M	M	6	1	28	50
3	84	69	77	5	0	12	0.00	0.0	0	5.9	17	20	M	M	6		24	40
4	89	65	77	5	0	12	0.00	0.0	0	4.3	14	50	M	M	3		24	50
5	91	68	80	8	0	15	0.00	0.0	0	6.2	13	290	M	M	3		20	280
6	86	70	78	6	0	13	T	0.0	0	7.5	17	50	M	M	6		30	50
7	82	63	73	0	0	8	T	0.0	0	6.2	13	40	M	M	8		26	60
8	86	61	74	1	0	9	0.00	0.0	0	6.0	13	60	M	M	0		26	50
9	91	61	76	3	0	11	0.00	0.0	0	5.9	16	180	M	M	3		28	160
10	91	74	83	10	0	18	T	0.0	0	9.7	16	170	M	M	6	8	29	40
11	88	71	80	7	0	15	0.39	0.0	0	8.5	47	300	M	M	6	138	63	310
12	87	70	79	6	0	14	0.01	0.0	0	7.7	16	330	M	M	4		24	60
13	74	63	69	-4	0	4	0.00	0.0	0	10.9	18	30	M	M	7		31	60
14	82	59	71	-2	0	6	0.00	0.0	0	8.0	16	90	M	M	7		25	70
15	87	70	79	6	0	14	T	0.0	0	6.7	14	100	M	M	8		24	70
16	89	71	80	6	0	15	T	0.0	0	4.3	12	180	M	M	8		16	340
17	95	69	82	8	0	17	0.00	0.0	0	6.4	15	200	M	M	3		18	210
18	92	80	86	12	0	21	0.01	0.0	0	10.8	21	230	M	M	8	8	28	270
19	93	78	86	12	0	21	0.00	0.0	0	6.2	13	50	M	M	5		24	70
20	99	73	86	12	0	21	0.02	0.0	0	10.7	22	230	M	M	6	138	29	220
21	99	75	87	13	0	22	0.02	0.0	0	8.8	24	300	M	M	3	3	31	300
22	88	70	79	5	0	14	1.55	0.0	0	9.0	35	30	M	M	6	138	47	30
23	87	70	79	5	0	14	6.86	0.0	0	5.3	26	40	M	M	9	13	37	40
24	87	72	80	6	0	15	0.18	0.0	0	6.4	29	170	M	M	8	13	35	170
25	88	73	81	7	0	16	0.00	0.0	0	6.5	16	340	M	M	3		23	40
26	83	71	77	3	0	12	0.00	0.0	0	8.5	15	50	M	M	5		30	60
27	90	68	79	5	0	14	0.71	0.0	0	9.5	30	300	M	M	9	138	46	300
28	87	73	80	6	0	15	0.70	0.0	0	6.8	25	280	M	M	8	13	36	320
29	86	71	79	5	0	14	0.70	0.0	0	5.9	21	320	M	M	7	13	29	40
30	91	67	79	5	0	14	0.00	0.0	0	3.4	12	60	M	M	2		20	360
31	90	68	79	5	0	14	0.00	0.0	0	5.0	13	280	M	M	3	1	17	280
SM	2745	2156			0	444	11.15		0.0	230.2			M		174			
AV	88.5	69.5								7.4	FASTST		M	M	6		MAX(MPH)	
									MISC ---->	# 47	300						# 63	310

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: JULY
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 79.0
DPTR FM NORMAL: 5.7
HIGHEST: 99 ON 21,20
LOWEST: 59 ON 14

[PRECIPITATION DATA]

TOTAL FOR MONTH: 11.15
DPTR FM NORMAL: 7.64
GRTST 24HR 8.21 ON 22-23

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 12
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 11
0.10 INCH OR MORE: 7
0.50 INCH OR MORE: 5
1.00 INCH OR MORE: 2

[HDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL -6
TOTAL FM JUL 1 0
DPTR FM NORMAL -6

CLEAR (SCALE 0-3) 5
PTCLDY (SCALE 4-7) 23
CLOUDY (SCALE 8-10) 3

[CDD (BASE 65)]
TOTAL THIS MO. 444
DPTR FM NORMAL 165
TOTAL FM JAN 1 681
DPTR FM NORMAL 185

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.75 ON 20

[REMARKS]
#FINAL-07-11#

Untitled

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE
MONTH: AUGUST
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	91	74	83	9	0	18	0.00	0.0	0	4.9	12	320	M	M	6		17	270
2	93	74	84	10	0	19	0.43	0.0	0	9.1	38	300	M	M	10	138	51	310
3	86	72	79	5	0	14	0.00	0.0	0	8.0	18	50	M	M	5		29	60
4	84	69	77	3	0	12	0.00	0.0	0	6.0	14	70	M	M	5		24	60
5	83	69	76	3	0	11	T	0.0	0	5.5	13	50	M	M	7		25	60
6	85	72	79	6	0	14	0.18	0.0	0	4.0	10	60	M	M	4	1	20	40
7	86	68	77	4	0	12	0.75	0.0	0	6.4	33	320	M	M	5	138	41	320
8	80	68	74	1	0	9	0.63	0.0	0	6.2	21	110	M	M	8	13	26	110
9	80	64	72	-1	0	7	0.00	0.0	0	11.1	24	300	M	M	3	1	35	290
10	77	61	69	-4	0	4	0.00	0.0	0	8.7	17	330	M	M	4		23	340
11	81	57	69	-4	0	4	0.00	0.0	0	3.0	9	240	M	M	1		13	240
12	81	60	71	-2	0	6	0.00	0.0	0	8.5	20	180	M	M	6		25	180
13	83	62	73	0	0	8	0.75	0.0	0	6.7	36	330	M	M	8	13	43	320
14	75	62	69	-4	0	4	T	0.0	0	11.7	22	350	M	M	5		30	10
15	82	57	70	-3	0	5	0.00	0.0	0	4.9	10	100	M	M	3		22	60
16	85	61	73	0	0	8	0.00	0.0	0	3.9	13	90	M	M	2		16	100
17	83	62	73	0	0	8	0.00	0.0	0	6.0	14	220	M	M	5		17	200
18	84	67	76	4	0	11	0.00	0.0	0	5.2	10	60	M	M	4		18	30
19	87	64	76	4	0	11	0.00	0.0	0	5.2	12	100	M	M	4		20	220
20	80	66	73	1	0	8	1.11	0.0	0	3.4	28	330	M	M	8	138	33	330
21	80	64	72	0	0	7	T	0.0	0	8.5	18	310	M	M	5	18	24	340
22	82	59	71	-1	0	6	0.00	0.0	0	4.1	13	260	M	M	5		17	280
23	73	62	68	-4	0	3	0.65	0.0	0	9.8	23	280	M	M	6	13	33	300
24	92	69	81	9	0	16	0.00	0.0	0	10.7	21	310	M	M	2	1	26	340
25	83	64	74	2	0	9	0.00	0.0	0	7.3	16	340	M	M	1		28	60
26	83	59	71	0	0	6	0.00	0.0	0	3.3	10	260	M	M	3		15	250
27	81	64	73	2	0	8	0.00	0.0	0	9.2	20	20	M	M	3		32	50
28	77	61	69	-2	0	4	0.00	0.0	0	7.9	17	40	M	M	6		28	50
29	79	59	69	-2	0	4	0.00	0.0	0	3.5	14	50	M	M	3		17	70
30	76	61	69	-1	0	4	0.04	0.0	0	6.3	15	110	M	M	9		18	120
31	87	65	76	6	0	11	T	0.0	0	8.3	15	180	M	M	4		22	240
SM	2559	1996			0	271	4.54		0.0	207.3			M		150			
AV	82.5	64.4								6.7	FASTST		M	M	5		MAX(MPH)	
									MISC ---->	#	38	300					# 51	310

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE
MONTH: AUGUST
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 73.5
DPTR FM NORMAL: 1.1
HIGHEST: 93 ON 2
LOWEST: 57 ON 15,11

[PRECIPITATION DATA]

TOTAL FOR MONTH: 4.54
DPTR FM NORMAL: -0.36
GRTST 24HR 1.11 ON 20-20

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 3
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 8
0.10 INCH OR MORE: 7
0.50 INCH OR MORE: 5
1.00 INCH OR MORE: 1

[HDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL -9
TOTAL FM JUL 1 0
DPTR FM NORMAL -13

CLEAR (SCALE 0-3) 7
PTCLDY (SCALE 4-7) 21
CLOUDY (SCALE 8-10) 3

[CDD (BASE 65)]
TOTAL THIS MO. 271
DPTR FM NORMAL 33
TOTAL FM JAN 1 952
DPTR FM NORMAL 212

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.63 ON 2

[REMARKS]
#FINAL-08-11#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 031715
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE
MONTH: SEPTEMBER
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:		WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	93	71	82	12	0	17	0.00	0.0	0	5.9	16	210	M	M	2	18	23	220
2	92	76	84	14	0	19	0.00	0.0	0	7.4	17	250	M	M	5	8	23	260
3	89	69	79	10	0	14	0.02	0.0	0	6.2	20	320	M	M	7	138	24	320
4	73	58	66	-3	0	1	0.00	0.0	0	11.5	22	330	M	M	6		28	320
5	65	52	59	-10	6	0	0.00	0.0	0	14.8	26	10	M	M	4	8	35	20
6	66	51	59	-9	6	0	0.00	0.0	0	10.1	20	40	M	M	4		29	50
7	70	52	61	-7	4	0	0.00	0.0	0	10.8	23	50	M	M	4		30	40
8	75	57	66	-2	0	1	T	0.0	0	12.4	25	50	M	M	8	8	33	60
9	72	60	66	-1	0	1	0.02	0.0	0	8.3	15	30	M	M	9	1	25	60
10	78	56	67	0	0	2	0.00	0.0	0	3.1	9	140	M	M	5	1	14	110
11	83	57	70	3	0	5	0.00	0.0	0	5.5	14	280	M	M	3	1	20	270
12	86	64	75	9	0	10	0.00	0.0	0	10.9	22	220	M	M	4	8	28	250
13	73	56	65	-1	0	0	0.00	0.0	0	8.7	20	310	M	M	1	18	23	310
14	58	47	53	-12	12	0	0.08	0.0	0	7.3	16	340	M	M	6	18	25	10
15	59	42	51	-14	14	0	0.00	0.0	0	8.5	20	50	M	M	4		28	70
16	58	46	52	-13	13	0	0.00	0.0	0	3.3	13	60	M	M	10		17	60
17	68	50	59	-5	6	0	0.00	0.0	0	8.9	21	130	M	M	6		28	130
18	65	55	60	-4	5	0	0.43	0.0	0	9.5	15	190	M	M	10	1	20	180
19	69	54	62	-1	3	0	0.24	0.0	0	5.8	13	320	M	M	6	1	18	10
20	74	49	62	-1	3	0	0.00	0.0	0	7.3	16	160	M	M	5	1	18	160
21	71	56	64	2	1	0	T	0.0	0	11.0	23	240	M	M	5		30	260
22	64	51	58	-4	7	0	0.00	0.0	0	6.9	14	280	M	M	8		20	40
23	62	48	55	-6	10	0	0.00	0.0	0	7.0	13	60	M	M	7		25	60
24	62	51	57	-4	8	0	0.14	0.0	0	4.6	15	20	M	M	9	1	20	40
25	64	51	58	-3	7	0	0.08	0.0	0	5.5	15	140	M	M	9	1	16	140
26	60	53	57	-3	8	0	1.21	0.0	0	15.4	25	200	M	M	10	1	31	200
27	63	54	59	-1	6	0	0.31	0.0	0	8.3	18	130	M	M	10	1	23	120
28	63	53	58	-1	7	0	0.77	0.0	0	7.0	15	340	M	M	8	1	25	20
29	66	49	58	-1	7	0	0.06	0.0	0	13.5	33	290	M	M	8	1	46	290
30	57	45	51	-7	14	0	0.09	0.0	0	15.0	30	320	M	M	7		38	330
SM	2098	1633			147	70	3.45		0.0	260.4			M		190			
AV	69.9	54.4								8.7	FASTST		M	M	6		MAX(MPH)	
									MISC ---->		# 33	290					# 46	290

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE
MONTH: SEPTEMBER
YEAR: 2011
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 62.2
DPTR FM NORMAL: -2.4
HIGHEST: 93 ON 1
LOWEST: 42 ON 15

[PRECIPITATION DATA]

TOTAL FOR MONTH: 3.45
DPTR FM NORMAL: 0.24
GRTST 24HR 1.28 ON 25-26

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 2
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 12
0.10 INCH OR MORE: 6
0.50 INCH OR MORE: 2
1.00 INCH OR MORE: 1

[HDD (BASE 65)]

TOTAL THIS MO. 147
DPTR FM NORMAL 42
TOTAL FM JUL 1 147
DPTR FM NORMAL 29

CLEAR (SCALE 0-3) 2
PTCLDY (SCALE 4-7) 20
CLOUDY (SCALE 8-10) 8

[CDD (BASE 65)]

TOTAL THIS MO. 70
DPTR FM NORMAL -22
TOTAL FM JAN 1 1022
DPTR FM NORMAL 190

[PRESSURE DATA]

HIGHEST SLP 30.40 ON 16
LOWEST SLP 29.50 ON 26

[REMARKS]
#FINAL-09-11#

O Monthly/Daily Climate Data

000
CXUS55 KLOT 051706
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: DECEMBER
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	55	32	44	11	21	0	0.00	0.0	0	12.2	22	220	M	M	2		32	200
2	45	33	39	7	26	0	T	0.0	0	10.9	22	330	M	M	9		29	50
3	38	26	32	0	33	0	T	T	0	10.9	16	330	M	M	8		25	330
4	28	23	26	-5	39	0	T	0.2	0	11.8	20	230	M	M	8	1	25	230
5	32	23	28	-3	37	0	T	T	0	8.0	16	220	M	M	6		21	240
6	36	26	31	0	34	0	0.00	0.0	0	9.4	16	210	M	M	7		20	230
7	31	26	29	-1	36	0	0.06	2.1	2	5.2	15	300	M	M	10	18	18	300
8	35	25	30	0	35	0	0.51	2.8	1	9.4	22	100	M	M	10	148	26	100
9	35	11	23	-7	42	0	0.16	1.4	0	17.1	28	270	M	M	10	18	39	220
10	13	0	7	-22	58	0	T	T	2	16.8	25	260	M	M	4	8	35	260
11	23	7	15	-14	50	0	0.00	0.0	2	7.8	18	270	M	M	2		24	270
	36	16	26	-2	39	0	0.01	0.0	2	11.8	23	180	M	M	7	1	30	170
13	37	32	35	7	30	0	T	0.0	0	5.5	17	200	M	M	10	16	22	200
14	38	27	33	5	32	0	0.02	0.0	0	9.4	22	320	M	M	10	1	26	330
15	27	8	18	-9	47	0	0.00	0.0	0	11.8	21	310	M	M	4		26	310
16	23	5	14	-13	51	0	0.00	0.0	0	4.2	13	270	M	M	4		17	40
17	35	17	26	-1	39	0	0.00	0.0	0	4.8	10	140	M	M	9		13	150
18	36	31	34	8	31	0	0.27	0.8	0	5.3	13	20	M	M	10	14	21	50
19	33	29	31	5	34	0	0.22	1.7	2	11.2	16	330	M	M	10	1	26	340
20	30	26	28	2	37	0	T	0.2	2	5.2	13	330	M	M	10	18	16	330
21	29	25	27	1	38	0	0.01	T	2	4.9	13	240	M	M	10	18	16	240
22	32	27	30	5	35	0	0.20	2.9	3	8.9	21	100	M	M	10	15	25	100
23	32	31	32	7	33	0	0.32	0.9	5	17.1	24	90	M	M	10	1468	30	80
24	36	32	34	9	31	0	0.39	0.0	4	15.0	22	100	M	M	10	16	32	60
25	43	21	32	7	33	0	0.46	0.4	1	17.5	30	120	M	M	10	1	37	110
26	26	20	23	-1	42	0	0.06	5.6	1	11.0	18	210	M	M	10	1	25	230
27	21	14	18	-6	47	0	0.01	0.7	4	8.6	14	240	M	M	8	1	17	250
28	30	14	22	-2	43	0	0.00	0.0	3	13.3	25	320	M	M	7	1	32	330
29	24	8	16	-8	49	0	0.00	0.0	2	5.2	12	330	M	M	3		14	340
30	31	14	23	0	42	0	0.02	1.1	2	8.3	16	180	M	M	10	1	20	180
31	32	9	21	-2	44	0	0.01	T	2	9.1	15	310	M	M	8	18	20	300
SM	1002	638		1188		0	2.73		20.8	307.6			M		246			
AV	32.3	20.6								9.9	FASTST		M	M	8		MAX(MPH)	
								MISC ---->		# 30	120						# 39	220

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

ELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: DECEMBER

Untitled
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

EMPERATURE DATA]

AVERAGE MONTHLY: 26.5
DPTR FM NORMAL: -0.9
HIGHEST: 55 ON 1
LOWEST: 0 ON 10

[PRECIPITATION DATA]

TOTAL FOR MONTH: 2.73
DPTR FM NORMAL: 0.30
GRTST 24HR 0.77 ON 24-25

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 20.8 INCHES
GRTST 24HR 5.6 ON M
GRTST DEPTH: 5 ON 23

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 17
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 30
MIN 0 OR BELOW: 1

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 16
0.10 INCH OR MORE: 8
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 1188
DPTR FM NORMAL 37
TOTAL FM JUL 1 2341
DPTR FM NORMAL -97

CLEAR (SCALE 0-3) 2
PTCLDY (SCALE 4-7) 12
CLOUDY (SCALE 8-10) 17

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 589
DPTR FM NORMAL -241

[PRESSURE DATA]
HIGHEST SLP 30.60 ON 16
LOWEST SLP 28.91 ON 9

EMARKS]
FINAL-12-09#

) Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: NOVEMBER
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:			SKY	:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	52	30	41	-4	24	0	0.00	0.0	0	5.3	13	180	M	M	6		15	180
2	59	42	51	6	14	0	0.01	0.0	0	10.4	21	320	M	M	5		25	320
3	47	34	41	-4	24	0	0.00	0.0	0	6.8	16	310	M	M	4		20	290
4	52	40	46	2	19	0	0.00	0.0	0	7.8	18	310	M	M	9		24	330
5	55	35	45	1	20	0	0.00	0.0	0	6.7	21	320	M	M	1		29	320
6	62	34	48	5	17	0	0.00	0.0	0	14.4	25	170	M	M	8		32	190
7	71	46	59	16	6	0	0.00	0.0	0	10.6	24	200	M	M	1	1	32	210
8	70	45	58	16	7	0	0.00	0.0	0	8.2	22	210	M	M	3	18	28	210
9	63	50	57	15	8	0	0.00	0.0	0	8.8	16	40	M	M	9		29	30
10	55	39	47	5	18	0	0.00	0.0	0	8.3	15	50	M	M	7		31	60
[illegible]	54	35	45	4	20	0	0.00	0.0	0	6.0	17	90	M	M	3		24	60
	56	28	42	1	23	0	0.00	0.0	0	6.8	15	160	M	M	5	18	20	150
13	55	33	44	4	21	0	0.00	0.0	0	9.7	20	200	M	M	7	8	24	200
14	63	43	53	13	12	0	T	0.0	0	8.1	14	180	M	M	6		18	340
15	55	41	48	8	17	0	T	0.0	0	11.0	18	30	M	M	10	8	30	60
16	48	44	46	7	19	0	T	0.0	0	16.1	23	60	M	M	10		33	50
17	47	44	46	7	19	0	0.05	0.0	0	15.8	24	60	M	M	10		35	60
18	47	43	45	7	20	0	0.17	0.0	0	7.7	15	50	M	M	10	1	20	40
19	47	41	44	6	21	0	0.07	0.0	0	6.8	13	220	M	M	9	1	17	250
20	54	42	48	11	17	0	T	0.0	0	7.3	13	270	M	M	7		18	270
21	54	33	44	7	21	0	0.00	0.0	0	3.7	10	130	M	M	2	18	15	80
22	57	34	46	9	19	0	0.00	0.0	0	6.0	13	120	M	M	4	18	18	60
23	49	41	45	9	20	0	0.00	0.0	0	6.0	10	70	M	M	9	18	16	60
24	50	40	45	9	20	0	0.64	0.0	0	8.3	18	240	M	M	9	1	24	240
25	49	37	43	8	22	0	0.12	0.0	0	9.8	20	260	M	M	10	1	25	260
26	42	33	38	3	27	0	0.15	T	0	14.5	25	320	M	M	10	1	33	310
27	40	29	35	1	30	0	0.00	0.0	0	6.9	18	330	M	M	4		24	330
28	54	29	42	8	23	0	0.00	0.0	0	4.3	10	220	M	M	2	1	13	220
29	44	33	39	5	26	0	0.02	0.0	0	7.7	18	330	M	M	9	13	25	360
30	41	30	36	3	29	0	0.00	0.0	0	10.6	18	220	M	M	5		28	220
SM	1592	1128			583	0	1.23	T		260.4			M		194			
AV	53.1	37.6								8.7	FASTST		M	M	6		MAX(MPH)	
								MISC ---->		#	25	170					# 35	60

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

ELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: NOVEMBER
YEAR: 2009

Untitled
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 45.3
DPTR FM NORMAL: 6.0
HIGHEST: 71 ON 7
LOWEST: 28 ON 12

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.23
DPTR FM NORMAL: -1.78
GRTST 24HR 0.67 ON 24-25

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: T
GRTST 24HR T ON 26-26
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 5
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 8
0.10 INCH OR MORE: 4
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 583
DPTR FM NORMAL -176
TOTAL FM JUL 1 1153
DPTR FM NORMAL -134

CLEAR (SCALE 0-3) 6
PTCLDY (SCALE 4-7) 12
CLOUDY (SCALE 8-10) 12

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 589
DPTR FM NORMAL -241

[PRESSURE DATA]

HIGHEST SLP M ON M
LOWEST SLP 29.70 ON 25

[REMARKS]
FINAL-11-09#

O Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: OCTOBER
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	59	41	50	-8	15	0	0.89	0.0	0	9.5	23	110	M	M	7	13	28	120
2	56	47	52	-6	13	0	0.21	0.0	0	12.0	18	130	M	M	9	18	24	250
3	57	47	52	-5	13	0	0.11	0.0	0	7.4	15	280	M	M	9	1	20	280
4	60	45	53	-4	12	0	T	0.0	0	9.2	18	280	M	M	6		23	290
5	62	43	53	-4	12	0	0.00	0.0	0	5.4	13	100	M	M	3		22	70
6	61	49	55	-1	10	0	0.03	0.0	0	14.9	33	270	M	M	8	1	47	260
7	60	45	53	-3	12	0	0.00	0.0	0	10.8	22	290	M	M	5		33	300
8	53	45	49	-6	16	0	0.12	0.0	0	4.8	15	160	M	M	8	1	18	230
9	52	39	46	-9	19	0	0.46	0.0	0	10.0	17	340	M	M	10	1	26	320
10	48	31	40	-15	25	0	0.00	0.0	0	7.7	18	270	M	M	4		24	280
11	44	29	37	-17	28	0	0.00	0.0	0	5.0	12	330	M	M	7		23	70
	48	41	45	-9	20	0	0.02	0.0	0	3.8	9	300	M	M	10	1	21	210
13	47	34	41	-12	24	0	0.00	0.0	0	10.0	17	50	M	M	7		28	40
14	48	42	45	-8	20	0	0.03	0.0	0	11.5	20	100	M	M	10	1	28	120
15	44	41	43	-10	22	0	0.29	0.0	0	9.1	16	100	M	M	10	1	28	60
16	45	39	42	-10	23	0	0.04	T	0	8.2	20	10	M	M	8	14	M	M
17	52	36	44	-8	21	0	T	0.0	0	8.2	16	360	M	M	8		24	30
18	53	31	42	-9	23	0	0.00	0.0	0	6.9	16	210	M	M	3		21	210
19	65	44	55	4	10	0	0.00	0.0	0	11.5	22	220	M	M	4		28	220
20	62	48	55	5	10	0	0.03	0.0	0	5.3	12	190	M	M	9		21	160
21	69	55	62	12	3	0	T	0.0	0	11.5	21	210	M	M	8		28	220
22	58	48	53	3	12	0	1.03	0.0	0	13.0	23	70	M	M	10	1	29	60
23	61	42	52	3	13	0	0.89	0.0	0	16.2	26	220	M	M	10	1	33	210
24	50	38	44	-5	21	0	0.04	0.0	0	8.9	21	250	M	M	7	1	25	290
25	62	44	53	5	12	0	0.27	0.0	0	6.9	16	200	M	M	9	1	20	190
26	55	49	52	4	13	0	0.11	0.0	0	7.5	14	300	M	M	10	1	18	300
27	51	45	48	0	17	0	0.06	0.0	0	6.5	12	60	M	M	10	1	23	60
28	57	50	54	7	11	0	0.00	0.0	0	4.3	13	120	M	M	10	18	15	120
29	60	47	54	7	11	0	0.60	0.0	0	12.7	30	130	M	M	10	18	38	130
30	67	46	57	11	8	0	0.81	0.0	0	17.4	29	230	M	M	10	1	41	240
31	46	35	41	-5	24	0	T	0.0	0	11.5	30	240	0	M	8		39	250
SM	1712	1316			493	0	6.04	T		287.6				0	247			
AV	55.2	42.5								9.3	FASTST		0	M	8		MAX(MPH)	
									MISC ---->	# 33	270						# 47	260

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

ELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: OCTOBER

Untitled
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

EMPERATURE DATA]

AVERAGE MONTHLY: 48.8
DPTR FM NORMAL: -3.3
HIGHEST: 69 ON 21
LOWEST: 29 ON 11

[PRECIPITATION DATA]

TOTAL FOR MONTH: 6.04
DPTR FM NORMAL: 3.33
GRTST 24HR 1.78 ON 22-23

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: T
GRTST 24HR T ON 16-16
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 3
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 19
0.10 INCH OR MORE: 12
0.50 INCH OR MORE: 5
1.00 INCH OR MORE: 1

[HDD (BASE 65)]
TOTAL THIS MO. 493
DPTR FM NORMAL 92
TOTAL FM JUL 1 570
DPTR FM NORMAL 42

CLEAR (SCALE 0-3) 1
PTCLDY (SCALE 4-7) 13
CLOUDY (SCALE 8-10) 17

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL -10
TOTAL FM JAN 1 589
DPTR FM NORMAL -241

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.34 ON 23

EMARKS]
FINAL-10-09#

) Monthly/Daily Climate Data

000
CXUS55 KLOT 011229
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: SEPTEMBER
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	72	47	60	-8	5	0	0.00	0.0	0	3.4	13	60	M	M	1		24	60
2	73	50	62	-6	3	0	0.00	0.0	0	5.1	12	40	M	M	1		21	60
3	75	56	66	-2	0	1	0.00	0.0	0	6.0	13	50	M	M	1	1	24	70
4	75	54	65	-3	0	0	0.00	0.0	0	4.1	12	50	M	M	1	18	24	60
5	78	54	66	-1	0	1	0.00	0.0	0	5.3	14	70	M	M	7	18	26	60
6	77	61	69	2	0	4	0.03	0.0	0	5.3	13	50	M	M	8	18	26	70
7	77	59	68	1	0	3	0.00	0.0	0	4.0	13	40	M	M	3	18	23	50
8	78	60	69	3	0	4	0.00	0.0	0	7.3	15	50	M	M	6	1	30	50
9	78	65	72	6	0	7	0.00	0.0	0	6.9	14	60	M	M	6	18	33	210
10	81	64	73	7	0	8	0.00	0.0	0	6.8	15	60	M	M	3	18	M	M
11	80	61	71	6	0	6	0.00	0.0	0	5.6	14	90	M	M	1	1	M	M
12	79	58	69	4	0	4	0.00	0.0	0	4.8	13	30	M	M	5	128	M	M
13	80	58	69	4	0	4	0.00	0.0	0	3.0	10	70	M	M	3	12	M	M
14	84	58	71	6	0	6	0.00	0.0	0	2.1	9	90	M	M	4		20	80
15	82	64	73	9	0	8	0.00	0.0	0	7.8	18	50	M	M	6		36	50
16	71	59	65	1	0	0	0.00	0.0	0	11.4	21	30	M	M	3		33	50
17	72	50	61	-2	4	0	0.00	0.0	0	4.2	12	40	M	M	3	8	25	50
18	79	50	65	2	0	0	0.00	0.0	0	6.4	15	50	M	M	3	18	28	40
19	76	55	66	3	0	1	0.00	0.0	0	5.9	14	100	M	M	6		23	80
20	73	54	64	2	1	0	0.75	0.0	0	7.9	16	60	M	M	8	1	31	40
21	67	60	64	2	1	0	T	0.0	0	4.6	10	200	M	M	7	18	15	280
22	77	59	68	6	0	3	T	0.0	0	7.7	20	170	M	M	8	18	24	170
23	76	62	69	8	0	4	0.00	0.0	0	4.0	10	50	M	M	9	18	20	40
24	73	64	69	8	0	4	0.00	0.0	0	4.7	10	60	M	M	10	1	25	60
25	70	60	65	4	0	0	0.16	0.0	0	7.3	18	120	M	M	9	18	24	120
26	69	55	62	2	3	0	0.00	0.0	0	4.6	12	310	M	M	8	1	15	10
27	74	50	62	2	3	0	0.08	0.0	0	10.2	26	320	M	M	5	123	36	230
28	62	49	56	-3	9	0	0.01	0.0	0	20.7	30	280	M	M	8		40	310
29	60	48	54	-5	11	0	0.00	0.0	0	10.3	23	310	M	M	9		30	320
30	62	47	55	-4	10	0	0.00	0.0	0	6.8	13	80	M	M	3		30	60
SM	2230	1691			50	68	1.03		0.0	194.2			M		155			
AV	74.3	56.4								6.5	FASTST		M	M	5		MAX(MPH)	
								MISC ---->		# 30	280						# 40	310

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: SEPTEMBER
YEAR: 2009

Untitled
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 65.3
DPTR FM NORMAL: 1.5
HIGHEST: 84 ON 14
LOWEST: 47 ON 30, 1

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.03
DPTR FM NORMAL: -2.24
GRTST 24HR 0.75 ON 20-20

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW:	0
MAX 90 OR ABOVE:	0
MIN 32 OR BELOW:	0
MIN 0 OR BELOW:	0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE:	5
0.10 INCH OR MORE:	2
0.50 INCH OR MORE:	1
1.00 INCH OR MORE:	0

[HDD (BASE 65)]

TOTAL THIS MO.	50
DPTR FM NORMAL	-62
TOTAL FM JUL 1	77
DPTR FM NORMAL	-50

CLEAR (SCALE 0-3)	9
PTCLDY (SCALE 4-7)	15
CLOUDY (SCALE 8-10)	6

[CDD (BASE 65)]

TOTAL THIS MO.	68
DPTR FM NORMAL	-23
TOTAL FM JAN 1	589
DPTR FM NORMAL	-231

[PRESSURE DATA]

HIGHEST SLP 30.36 ON 1
LOWEST SLP 29.35 ON 27

[REMARKS]
FINAL-09-09#

) Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: AUGUST
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:			SKY	:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	75	61	68	-6	0	3	T	0.0	0	11.4	25	220	M	M	6		33	220
2	78	57	68	-6	0	3	0.00	0.0	0	9.6	17	200	M	M	2		37	250
3	84	67	76	2	0	11	0.07	0.0	0	12.4	23	210	M	M	5	3	31	220
4	85	67	76	3	0	11	0.00	0.0	0	5.8	20	40	M	M	6	1	26	50
5	79	61	70	-3	0	5	0.00	0.0	0	4.2	13	90	M	M	5		25	60
6	82	60	71	-2	0	6	0.00	0.0	0	5.4	13	100	M	M	5		24	20
7	74	64	69	-4	0	4	0.33	0.0	0	7.8	15	130	M	M	9	1	20	160
8	89	68	79	6	0	14	0.02	0.0	0	13.6	22	220	M	M	7	18	29	210
9	91	77	84	11	0	19	0.18	0.0	0	12.9	24	250	M	M	5	3	31	260
10	85	70	78	5	0	13	0.00	0.0	0	7.2	15	260	M	M	7		21	280
[illegible]	82	62	72	-1	0	7	0.00	0.0	0	8.0	16	40	M	M	4		M	M
	83	60	72	-1	0	7	0.00	0.0	0	5.9	14	40	M	M	1		24	50
[illegible]	86	60	73	1	0	8	0.00	0.0	0	3.8	15	110	M	M	3		22	100
14	88	63	76	4	0	11	0.00	0.0	0	5.7	14	180	M	M	1	8	21	200
15	89	67	78	6	0	13	0.00	0.0	0	8.9	20	180	M	M	4	8	23	170
16	88	70	79	7	0	14	0.63	0.0	0	10.2	26	250	M	M	7	138	38	250
17	83	70	77	5	0	12	0.33	0.0	0	5.8	14	210	M	M	10	13	20	160
18	83	65	74	2	0	9	0.00	0.0	0	8.1	18	300	M	M	6	8	24	320
19	83	59	71	0	0	6	0.35	0.0	0	8.7	20	210	M	M	7	13	26	210
20	78	64	71	0	0	6	0.07	0.0	0	12.5	24	250	M	M	7		33	260
21	73	59	66	-5	0	1	0.16	0.0	0	10.7	20	280	M	M	8	1	28	250
22	68	57	63	-8	2	0	0.00	0.0	0	9.4	17	350	M	M	8		28	40
23	74	56	65	-6	0	0	0.00	0.0	0	6.4	10	140	M	M	4	8	21	40
24	79	54	67	-3	0	2	0.00	0.0	0	5.1	13	170	M	M	2		24	230
25	83	59	71	1	0	6	0.00	0.0	0	9.2	20	200	M	M	6		23	190
26	73	62	68	-2	0	3	0.93	0.0	0	7.8	14	40	M	M	10	13	28	50
27	67	61	64	-6	1	0	0.95	0.0	0	9.7	18	100	M	M	10	1	31	50
28	68	60	64	-6	1	0	0.22	0.0	0	5.7	13	30	M	M	9	1	24	30
29	69	56	63	-6	2	0	0.02	0.0	0	11.8	22	320	M	M	7	1	26	310
30	66	51	59	-10	6	0	0.00	0.0	0	9.3	17	50	M	M	4		26	60
31	68	49	59	-10	6	0	0.00	0.0	0	6.0	14	40	M	M	2		33	70
SM	2453	1916			18	194	4.26		0.0	259.0			M		177			
AV	79.1	61.8								8.4	FASTST		M	M	6		MAX(MPH)	
								MISC ---->		#	26	250					# 38	250

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

Untitled
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

EMPERATURE DATA]

AVERAGE MONTHLY: 70.5
DPTR FM NORMAL: -1.2
HIGHEST: 91 ON 9
LOWEST: 49 ON 31

[PRECIPITATION DATA]

TOTAL FOR MONTH: 4.26
DPTR FM NORMAL: -0.36
GRTST 24HR 1.25 ON 26-27

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 1
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 13
0.10 INCH OR MORE: 9
0.50 INCH OR MORE: 3
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 18
DPTR FM NORMAL 9
TOTAL FM JUL 1 27
DPTR FM NORMAL 12

CLEAR (SCALE 0-3) 6
PTCLDY (SCALE 4-7) 20
CLOUDY (SCALE 8-10) 5

[CDD (BASE 65)]
TOTAL THIS MO. 194
DPTR FM NORMAL -39
TOTAL FM JAN 1 521
DPTR FM NORMAL -208

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.59 ON 20

EMARKS]
#FINAL-08-09#

) Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JULY
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:	SNOW:		WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	65	57	61	-11	4	0	T	0.0	0	8.7	15	320	M	M	10	1	25	50
2	73	59	66	-6	0	1	0.00	0.0	0	8.8	15	310	M	M	9		18	300
3	79	63	71	-1	0	6	0.00	0.0	0	5.8	17	60	M	M	8		26	70
4	69	59	64	-8	1	0	0.20	0.0	0	3.8	9	110	M	M	9	1	22	60
5	81	57	69	-3	0	4	0.05	0.0	0	2.4	14	330	M	M	4	18	21	50
6	86	60	73	1	0	8	0.00	0.0	0	7.8	17	320	M	M	4		23	320
7	77	59	68	-5	0	3	T	0.0	0	7.0	13	90	M	M	7		30	60
8	65	61	63	-10	2	0	0.06	0.0	0	7.0	10	50	M	M	10		25	60
9	79	59	69	-4	0	4	0.00	0.0	0	6.9	15	110	M	M	8		21	130
10	82	63	73	0	0	8	0.08	0.0	0	4.9	14	210	M	M	8	1	20	240
11	85	63	74	1	0	9	0.25	0.0	0	7.0	18	290	M	M	5	138	24	280
	82	58	70	-3	0	5	0.00	0.0	0	5.7	12	350	M	M	4		20	30
13	79	61	70	-3	0	5	0.00	0.0	0	5.8	16	70	M	M	5		24	70
14	80	55	68	-5	0	3	0.00	0.0	0	7.5	15	140	M	M	7	8	20	150
15	85	65	75	2	0	10	0.68	0.0	0	12.4	24	260	M	M	7	13	35	270
16	80	64	72	-2	0	7	T	0.0	0	10.8	21	260	M	M	4		29	240
17	70	57	64	-10	1	0	0.00	0.0	0	10.8	23	310	M	M	6		28	310
18	72	57	65	-9	0	0	0.00	0.0	0	8.2	15	320	M	M	8		25	280
19	71	57	64	-10	1	0	0.00	0.0	0	4.0	12	70	M	M	8		23	60
20	76	55	66	-8	0	1	0.00	0.0	0	5.5	16	100	M	M	6		25	100
21	80	58	69	-5	0	4	0.04	0.0	0	5.8	15	110	M	M	8		22	60
22	78	63	71	-3	0	6	T	0.0	0	5.0	17	20	M	M	8	18	29	60
23	82	62	72	-2	0	7	0.00	0.0	0	5.0	18	360	M	M	6	138	28	10
24	83	61	72	-2	0	7	0.14	0.0	0	9.8	33	190	M	M	7	38	43	190
25	81	66	74	0	0	9	0.00	0.0	0	11.1	21	270	M	M	6		29	270
26	82	63	73	-1	0	8	T	0.0	0	8.6	17	310	M	M	4		22	320
27	84	64	74	0	0	9	0.02	0.0	0	10.1	38	200	M	M	6	8	48	210
28	84	66	75	1	0	10	0.01	0.0	0	8.0	35	210	M	M	8		44	220
29	81	62	72	-2	0	7	0.00	0.0	0	7.1	15	340	M	M	5		22	10
30	79	59	69	-5	0	4	T	0.0	0	5.5	24	330	M	M	8		28	320
31	81	58	70	-4	0	5	0.00	0.0	0	7.3	16	260	M	M	3		22	250
SM	2431	1871			9	150	1.53	0.0		224.1			M		206			
AV	78.4	60.4								7.2	FASTST		M	M	7		MAX(MPH)	
								MISC ---->		# 38	200						# 48	210

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

Untitled
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

=MPERATURE DATA]

AVERAGE MONTHLY: 69.4
DPTR FM NORMAL: -3.9
HIGHEST: 86 ON 6
LOWEST: 55 ON 20,14

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.53
DPTR FM NORMAL: -1.98
GRTST 24HR 0.68 ON 15-15

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 10
0.10 INCH OR MORE: 4
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 9
DPTR FM NORMAL 3
TOTAL FM JUL 1 9
DPTR FM NORMAL 3

CLEAR (SCALE 0-3) 1
PTCLDY (SCALE 4-7) 24
CLOUDY (SCALE 8-10) 6

[CDD (BASE 65)]
TOTAL THIS MO. 150
DPTR FM NORMAL -129
TOTAL FM JAN 1 327
DPTR FM NORMAL -169

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.18 ON 31

=MARKS]
..INAL-07-09#

Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JUNE
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	78	51	65	1	0	0	0.44	0.0	0	11.1	26	30	M	M	8	13	36	310
2	60	48	54	-11	11	0	0.12	0.0	0	8.0	18	30	M	M	9	1	28	60
3	61	43	52	-13	13	0	0.00	0.0	0	10.7	22	40	M	M	6		31	40
4	68	42	55	-10	10	0	0.00	0.0	0	5.9	10	50	M	M	3		25	60
5	79	44	62	-3	3	0	0.00	0.0	0	6.7	17	270	M	M	3		23	250
6	63	51	57	-9	8	0	0.02	0.0	0	7.7	14	40	M	M	8		26	50
7	73	52	63	-3	2	0	0.04	0.0	0	6.9	17	50	M	M	9	1	31	50
8	80	52	66	0	0	1	0.45	0.0	0	9.2	24	240	M	M	8	13	35	240
9	67	55	61	-6	4	0	T	0.0	0	6.3	13	100	M	M	10	12	22	80
10	67	54	61	-6	4	0	0.01	0.0	0	8.7	14	30	M	M	8		25	40
11	64	53	59	-8	6	0	0.01	0.0	0	10.3	18	20	M	M	9	18	29	40
	74	49	62	-5	3	0	T	0.0	0	5.8	13	90	M	M	6		24	80
13	68	54	61	-7	4	0	0.33	0.0	0	6.7	13	30	M	M	8	1	24	70
14	77	51	64	-4	1	0	0.00	0.0	0	4.7	12	60	M	M	5	8	24	40
15	81	53	67	-1	0	2	0.00	0.0	0	6.4	16	100	M	M	6		28	70
16	71	59	65	-4	0	0	1.23	0.0	0	11.8	23	100	M	M	10	18	30	100
17	71	61	66	-3	0	1	0.00	0.0	0	6.2	14	320	M	M	9	18	21	40
18	80	61	71	2	0	6	0.12	0.0	0	7.9	16	180	M	M	9	138	21	180
19	86	65	76	7	0	11	3.97	0.0	0	11.6	30	240	M	M	10	13	43	250
20	87	68	78	9	0	13	0.00	0.0	0	8.6	17	320	M	M	5		26	300
21	84	70	77	7	0	12	0.01	0.0	0	3.9	10	80	M	M	9		20	60
22	89	68	79	9	0	14	0.09	0.0	0	5.6	13	90	M	M	5	13	23	70
23	94	71	83	13	0	18	0.00	0.0	0	3.5	10	100	M	M	5		18	70
24	94	75	85	15	0	20	0.04	0.0	0	5.8	38	60	M	M	6	3	51	60
25	94	75	85	14	0	20	T	0.0	0	4.9	15	50	M	M	6		22	50
26	86	69	78	7	0	13	0.00	0.0	0	8.2	13	60	M	M	3		26	60
27	89	62	76	5	0	11	0.30	0.0	0	6.9	22	230	M	M	7	13	29	250
28	83	66	75	4	0	10	0.00	0.0	0	13.6	30	300	M	M	1	3	40	310
29	77	63	70	-1	0	5	0.00	0.0	0	12.7	23	310	M	M	4		31	320
30	66	59	63	-9	2	0	0.00	0.0	0	9.1	15	310	M	M	8		18	330
SM	2311	1744			71	157	7.18		0.0	235.4			M		203			
AV	77.0	58.1								7.8	FASTST		M	M	7		MAX(MPH)	
							MISC ---->			# 38	60						# 51	60

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: JUNE
YEAR: 2009

Untitled
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

ERAGE MONTHLY: 67.6
DPTR FM NORMAL: -0.6
HIGHEST: 94 ON 25,24
LOWEST: 42 ON 4

[PRECIPITATION DATA]

TOTAL FOR MONTH: 7.18
DPTR FM NORMAL: 3.55
GRTST 24HR 3.97 ON 19-19

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW:	0
MAX 90 OR ABOVE:	3
MIN 32 OR BELOW:	0
MIN 0 OR BELOW:	0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE:	15
0.10 INCH OR MORE:	8
0.50 INCH OR MORE:	2
1.00 INCH OR MORE:	2

[HDD (BASE 65)]

TOTAL THIS MO.	71
DPTR FM NORMAL	22
TOTAL FM JUL 1	6596
DPTR FM NORMAL	98

CLEAR (SCALE 0-3)	3
PTCLDY (SCALE 4-7)	14
CLOUDY (SCALE 8-10)	13

[CDD (BASE 65)]

TOTAL THIS MO.	157
DPTR FM NORMAL	-2
TOTAL FM JAN 1	177
DPTR FM NORMAL	-40

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.54 ON 19

[EMARKS]
INAL-06-09#

) Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: OCTOBER
YEAR: 2008
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	61	46	54	-4	11	0	0.00	0.0	0	11.1	20	340	M	M	5		25	330
2	61	42	52	-6	13	0	0.00	0.0	0	9.2	18	280	M	M	6		25	290
3	60	44	52	-5	13	0	0.01	0.0	0	7.7	15	50	M	M	7		25	70
4	61	38	50	-7	15	0	0.00	0.0	0	4.4	14	110	M	M	2		24	70
5	61	41	51	-6	14	0	0.06	0.0	0	6.6	16	100	M	M	6		23	90
6	69	54	62	6	3	0	0.00	0.0	0	10.7	20	120	M	M	8		24	100
7	63	56	60	4	5	0	0.80	0.0	0	11.3	21	120	M	M	9	1	26	110
8	64	50	57	2	8	0	0.19	0.0	0	8.1	17	280	M	M	6	1	22	290
9	69	47	58	3	7	0	0.00	0.0	0	5.8	14	320	M	M	1		22	330
10	72	42	57	2	8	0	0.00	0.0	0	6.7	16	120	M	M	1		22	90
[illegible]	79	51	65	11	0	0	0.00	0.0	0	5.0	12	180	M	M	4		18	70
	84	57	71	17	0	6	0.00	0.0	0	5.1	14	170	M	M	7	18	17	150
13	77	61	69	16	0	4	0.00	0.0	0	8.1	16	220	M	M	8		23	210
14	69	53	61	8	4	0	T	0.0	0	6.8	23	330	M	M	8	1	29	330
15	63	47	55	2	10	0	0.30	0.0	0	6.3	18	340	M	M	10	1	23	340
16	59	43	51	-1	14	0	0.00	0.0	0	7.5	14	50	M	M	3		25	50
17	57	43	50	-2	15	0	0.00	0.0	0	7.2	12	330	M	M	8		28	60
18	60	43	52	1	13	0	0.05	0.0	0	6.1	13	340	M	M	6	1	22	50
19	62	40	51	0	14	0	0.00	0.0	0	12.4	22	190	M	M	5		28	210
20	55	43	49	-1	16	0	0.18	0.0	0	7.6	17	360	M	M	7	1	21	10
21	55	38	47	-3	18	0	0.00	0.0	0	8.7	15	50	M	M	4		25	30
22	52	35	44	-6	21	0	0.00	0.0	0	13.1	24	110	M	M	7		30	110
23	58	41	50	1	15	0	0.16	0.0	0	11.8	21	110	M	M	7		25	120
24	54	44	49	0	16	0	0.32	0.0	0	6.1	18	230	M	M	7	13	23	230
25	53	43	48	0	17	0	T	0.0	0	12.3	21	210	M	M	7	18	29	210
26	56	37	47	-1	18	0	T	T	0	17.8	37	270	M	M	6	5	47	270
27	47	33	40	-8	25	0	T	T	0	14.4	28	320	M	M	7		36	330
28	45	31	38	-9	27	0	0.00	0.0	0	10.9	20	300	M	M	4		26	300
29	51	32	42	-5	23	0	0.00	0.0	0	6.2	13	350	M	M	2		20	50
30	62	31	47	1	18	0	0.00	0.0	0	10.4	21	190	M	M	0		25	180
31	70	48	59	13	6	0	0.00	0.0	0	7.4	16	220	M	M	1	8	21	230
SM	1909	1354			387	10	2.07	T		272.8			M		169			
AV	61.6	43.7								8.8	FASTST		M	M	5		MAX(MPH)	
									MISC ---->	# 37	270						# 47	270

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

ELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: OCTOBER

Untitled
YEAR: 2008
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

EMPERATURE DATA]

AVERAGE MONTHLY: 52.6
DPTR FM NORMAL: 0.5
HIGHEST: 84 ON 12
LOWEST: 31 ON 30,28

[PRECIPITATION DATA]

TOTAL FOR MONTH: 2.07
DPTR FM NORMAL: -0.64
GRTST 24HR 0.99 ON 7- 8

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: T
GRTST 24HR T ON 27-27
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 3
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 9
0.10 INCH OR MORE: 6
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 387
DPTR FM NORMAL -14
TOTAL FM JUL 1 440
DPTR FM NORMAL -88

CLEAR (SCALE 0-3) 7
PTCLDY (SCALE 4-7) 20
CLOUDY (SCALE 8-10) 4

[CDD (BASE 65)]
TOTAL THIS MO. 10
DPTR FM NORMAL 0
TOTAL FM JAN 1 828
DPTR FM NORMAL -2

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.49 ON 30

.EMARKS]
#FINAL-10-08#

O Monthly/Daily Climate Data

000
CXUS55 KLOT 131944
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: APRIL
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	53	36	45	2	20	0	0.00	0.0	0	15.9	30	240	M	M	7		40	220
2	50	37	44	1	21	0	0.14	0.0	0	10.7	23	360	M	M	9		31	20
3	50	37	44	1	21	0	0.04	0.0	0	13.2	25	350	M	M	6		32	350
4	50	31	41	-3	24	0	0.00	0.0	0	7.9	17	90	M	M	5	8	28	80
5	43	33	38	-6	27	0	0.51	2.1	0	18.2	28	10	M	M	9	14	39	40
6	40	32	36	-8	29	0	T	T	1	11.2	25	360	M	M	9		32	10
7	49	29	39	-6	26	0	0.00	0.0	0	12.7	25	310	M	M	2		43	300
8	55	30	43	-2	22	0	0.00	0.0	0	8.5	16	270	M	M	3		22	260
9	58	31	45	-1	20	0	0.00	0.0	0	5.9	14	40	M	M	5		28	50
10	47	38	43	-3	22	0	0.00	0.0	0	17.3	28	40	M	M	8		35	50
11	47	31	39	-7	26	0	0.00	0.0	0	9.6	18	20	M	M	3		33	50
12	51	27	39	-8	26	0	0.00	0.0	0	9.1	16	40	M	M	6		29	40
13	46	36	41	-6	24	0	0.29	0.0	0	14.2	25	70	M	M	10	1	38	60
14	44	36	40	-7	25	0	T	0.0	0	11.9	23	20	M	M	10	1	32	30
15	57	36	47	-1	18	0	0.00	0.0	0	9.3	20	40	M	M	5		26	50
16	62	33	48	0	17	0	0.00	0.0	0	4.6	13	40	M	M	0		29	40
17	70	32	51	3	14	0	0.00	0.0	0	3.6	14	90	M	M	1		25	70
18	73	40	57	8	8	0	T	0.0	0	3.4	13	290	M	M	7		20	60
19	61	45	53	4	12	0	0.90	0.0	0	7.3	13	30	M	M	10	18	23	40
20	53	38	46	-3	19	0	0.17	0.0	0	13.4	24	280	M	M	9	1	31	280
21	44	37	41	-9	24	0	0.09	0.0	0	12.3	29	310	M	M	7	1	39	310
22	61	37	49	-1	16	0	0.00	0.0	0	10.8	23	310	M	M	3		33	50
23	67	37	52	2	13	0	0.32	0.0	0	12.6	25	170	M	M	6	13	32	170
24	84	49	67	16	0	2	T	0.0	0	15.2	33	180	M	M	5	138	43	180
25	77	41	59	8	6	0	0.84	0.0	0	17.1	30	220	M	M	10	13	39	230
26	78	43	61	10	4	0	0.57	0.0	0	10.7	28	200	M	M	9	13	35	190
27	72	50	61	9	4	0	0.55	0.0	0	16.9	35	200	M	M	9	1	47	210
28	51	42	47	-5	18	0	0.04	0.0	0	15.3	24	40	M	M	8	1	33	50
29	55	46	51	-2	14	0	0.02	0.0	0	8.9	13	110	M	M	10	18	28	70
30	63	54	59	6	6	0	0.71	0.0	0	7.8	18	310	M	M	10	1	22	310
SM	1711	1124			526	2	5.19		2.1	335.5			M		201			
AV	57.0	37.5								11.2	FASTST		M	M	7		MAX(MPH)	
								MISC ---->		# 35	200						# 47	210

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

Untitled
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

/ERAGE MONTHLY: 47.2
DPTR FM NORMAL: -0.5
HIGHEST: 84 ON 24
LOWEST: 27 ON 12

[PRECIPITATION DATA]

TOTAL FOR MONTH: 5.19
DPTR FM NORMAL: 1.51
GRTST 24HR 1.35 ON 25-26

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 2.1 INCHES
GRTST 24HR 2.1 ON M
GRTST DEPTH: 1 ON 6

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 8
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 14
0.10 INCH OR MORE: 10
0.50 INCH OR MORE: 6
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 526
DPTR FM NORMAL 13
TOTAL FM JUL 1 6354
DPTR FM NORMAL 137

CLEAR (SCALE 0-3) 5
PTCLDY (SCALE 4-7) 12
CLOUDY (SCALE 8-10) 13

[CDD (BASE 65)]

TOTAL THIS MO. 2
DPTR FM NORMAL -7
TOTAL FM JAN 1 2
DPTR FM NORMAL -8

[PRESSURE DATA]

HIGHEST SLP 30.45 ON 16
LOWEST SLP 29.46 ON 3

[REMARKS]
INAL-04-09#

ↄ Monthly/Daily Climate Data

000
CXUS55 KLOT 131942
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: MARCH
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	22	14	18	-14	47	0	T	0.2	0	15.7	24	20	M	M	5		32	20
2	22	14	18	-14	47	0	0.01	0.5	0	10.5	18	50	M	M	9	1	29	40
3	30	16	23	-10	42	0	T	0.2	0	6.6	13	170	M	M	9		17	160
4	44	26	35	2	30	0	0.00	0.0	0	10.5	18	170	M	M	4		24	170
5	65	36	51	18	14	0	0.00	0.0	0	18.7	32	210	M	M	6		43	200
6	65	39	52	18	13	0	0.00	0.0	0	8.3	21	210	M	M	5	18	28	220
7	45	39	42	8	23	0	0.87	0.0	0	9.0	23	350	M	M	10	138	30	360
8	44	33	39	5	26	0	1.67	0.0	0	11.4	21	300	M	M	7	123	26	290
9	44	33	39	4	26	0	0.08	0.0	0	8.1	16	140	M	M	9	18	22	80
10	61	33	47	12	18	0	0.51	0.0	0	13.5	35	270	M	M	10	1	45	290
11	33	17	25	-11	40	0	T	T	0	17.5	24	270	M	M	6		31	270
	26	14	20	-16	45	0	0.00	0.0	0	6.6	16	320	M	M	5		24	70
13	40	19	30	-6	35	0	0.00	0.0	0	3.5	13	240	M	M	4		17	230
14	52	23	38	1	27	0	0.00	0.0	0	2.8	12	130	M	M	0		18	70
15	58	28	43	6	22	0	0.00	0.0	0	4.1	13	100	M	M	3	18	16	120
16	65	39	52	15	13	0	0.00	0.0	0	4.6	15	120	M	M	4		18	150
17	74	41	58	20	7	0	0.00	0.0	0	13.3	30	220	M	M	2	1	39	210
18	57	42	50	12	15	0	0.00	0.0	0	6.8	18	20	M	M	8		28	50
19	46	28	37	-1	28	0	0.00	0.0	0	10.9	18	60	M	M	2		32	60
20	44	23	34	-5	31	0	0.00	0.0	0	5.6	13	100	M	M	6		23	80
21	61	37	49	10	16	0	0.00	0.0	0	7.9	15	200	M	M	4		21	210
22	61	36	49	10	16	0	0.00	0.0	0	7.2	18	100	M	M	5		30	60
23	56	38	47	7	18	0	0.04	0.0	0	18.9	28	120	M	M	9		36	120
24	69	48	59	19	6	0	0.16	0.0	0	18.9	38	180	M	M	10	1	49	170
25	48	37	43	2	22	0	0.00	0.0	0	10.7	23	210	M	M	8		30	220
26	57	35	46	5	19	0	T	0.0	0	7.0	17	300	M	M	8		26	290
27	44	32	38	-3	27	0	0.00	0.0	0	9.1	15	50	M	M	7		29	30
28	38	32	35	-7	30	0	0.47	T	0	18.5	28	20	M	M	8	14	37	360
29	41	31	36	-6	29	0	0.95	1.2	1	14.5	24	30	M	M	7	148	33	30
30	45	27	36	-6	29	0	0.00	0.0	0	7.9	16	80	M	M	6		29	60
31	53	37	45	3	20	0	0.44	0.0	0	15.2	28	200	M	M	9	1	33	250
SM	1510	947			781	0	5.20		2.1	323.8				M	195			
AV	48.7	30.5								10.4	FASTST		M	M	6		MAX(MPH)	
								MISC ---->		# 38	180						# 49	170

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

ELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: MARCH

Untitled
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

'EMPERATURE DATA]

AVERAGE MONTHLY: 39.6
DPTR FM NORMAL: 2.3
HIGHEST: 74 ON 17
LOWEST: 14 ON 12, 2

[PRECIPITATION DATA]

TOTAL FOR MONTH: 5.20
DPTR FM NORMAL: 2.55
GRTST 24HR 1.67 ON 8- 8

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 2.1 INCHES
GRTST 24HR 1.2 ON M
GRTST DEPTH: 1 ON 29

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 4
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 15
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 10
0.10 INCH OR MORE: 7
0.50 INCH OR MORE: 4
1.00 INCH OR MORE: 1

[HDD (BASE 65)]
TOTAL THIS MO. 781
DPTR FM NORMAL -77
TOTAL FM JUL 1 5828
DPTR FM NORMAL 124

CLEAR (SCALE 0-3) 3
PTCLDY (SCALE 4-7) 18
CLOUDY (SCALE 8-10) 10

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL -1
TOTAL FM JAN 1 0
DPTR FM NORMAL -1

[PRESSURE DATA]
HIGHEST SLP 30.74 ON 12
LOWEST SLP 29.34 ON 29

EMARKS]
.-INAL-03-09#

ↄ Monthly/Daily Climate Data

000
CXUS55 KLOT 022138
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: FEBRUARY
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
									12Z	AVG	MX	2MIN						
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	36	24	30	7	35	0	0.00	0.0		5	9.3	15	290	M	M	6		21	260
2	26	8	17	-6	48	0	0.00	0.0		5	11.0	22	270	M	M	2		28	280
3	20	1	11	-13	54	0	T	T		5	16.1	28	340	M	M	7	8	36	340
4	17	0	9	-15	56	0	0.00	0.0		5	10.5	22	330	M	M	2		25	330
5	25	-4	11	-13	54	0	0.00	0.0		5	11.4	24	180	M	M	2		30	180
6	42	8	25	1	40	0	0.00	0.0		5	8.2	18	190	M	M	5	1	27	190
7	56	36	46	21	19	0	0.00	0.0		4	17.3	26	250	M	M	5	1	38	210
8	43	25	34	9	31	0	0.00	0.0		0	5.7	14	330	M	M	4	18	21	50
9	53	26	40	15	25	0	0.12	0.0		0	10.9	26	190	M	M	8	18	36	190
10	61	41	51	25	14	0	0.00	0.0		0	14.7	31	200	M	M	4		44	230
11	50	36	43	17	22	0	0.83	0.0		0	13.4	32	300	M	M	10	12	41	300
12	38	30	34	8	31	0	0.00	0.0		0	13.6	26	280	M	M	5		37	290
13	36	25	31	5	34	0	0.04	0.1		0	5.5	13	80	M	M	5	1	22	70
14	34	23	29	2	36	0	0.01	0.1		0	8.4	15	330	M	M	6	18	18	340
15	31	19	25	-2	40	0	T	T		0	8.5	14	330	M	M	5		25	10
16	33	17	25	-2	40	0	0.00	0.0		0	6.2	12	200	M	M	2		16	180
17	43	26	35	7	30	0	T	T		0	14.7	24	190	M	M	8	14	31	180
18	38	17	28	0	37	0	0.22	0.6		0	12.6	30	330	M	M	10	128	36	330
19	23	11	17	-11	48	0	T	T		1	15.7	25	320	M	M	2	8	36	330
20	28	12	20	-9	45	0	0.00	0.0		0	7.2	18	330	M	M	5		23	330
21	29	20	25	-4	40	0	0.14	3.7		2	15.6	28	250	M	M	8	1289	36	260
22	24	13	19	-10	46	0	T	T		2	11.3	17	310	M	M	4		23	290
23	27	9	18	-12	47	0	0.00	0.0		2	5.9	12	340	M	M	2		20	10
24	39	17	28	-2	37	0	0.00	0.0		1	11.0	20	180	M	M	6	8	23	170
25	54	35	45	15	20	0	0.01	0.0		0	10.8	22	220	M	M	6	18	28	250
26	53	32	43	12	22	0	1.95	0.0		0	7.3	15	180	M	M	9	138	20	190
27	46	21	34	3	31	0	0.07	T		0	16.0	26	40	M	M	9	16	35	10
28	27	20	24	-7	41	0	T	T		0	11.7	21	50	M	M	6		31	50
SM	1032		548		1023	0	3.39		4.5	310.5				M		153			
AV	36.9		19.6							11.1	FASTST			M	M	5	MAX(MPH)		
									MISC ---->	# 32	300						# 44	230	

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: FEBRUARY
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

^VERAGE MONTHLY: 28.2
'TR FM NORMAL: 1.2
..IGHEST: 61 ON 10
LOWEST: -4 ON 5

[PRECIPITATION DATA]

TOTAL FOR MONTH: 3.39
DPTR FM NORMAL: 1.76
GRTST 24HR 2.02 ON 26-27

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 4.5 INCHES
GRTST 24HR 3.7 ON M
GRTST DEPTH: 5 ON 6, 5

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 11
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 24
MIN 0 OR BELOW: 2

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 9
0.10 INCH OR MORE: 5
0.50 INCH OR MORE: 2
1.00 INCH OR MORE: 1

[HDD (BASE 65)]

TOTAL THIS MO. 1023
DPTR FM NORMAL -52
TOTAL FM JUL 1 5047
DPTR FM NORMAL 201

CLEAR (SCALE 0-3) 6
PTCLDY (SCALE 4-7) 16
CLOUDY (SCALE 8-10) 6

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 0
DPTR FM NORMAL 0

[PRESSURE DATA]

HIGHEST SLP 30.65 ON 23
LOWEST SLP 29.27 ON 11

[REMARKS]
#FINAL-02-09#

O Monthly/Daily Climate Data

000
CXUS55 KLOT 010853
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JANUARY
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	31	17	24	1	41	0	0.00	0.0	0	13.6	24	180	M	M	10		30	190
2	30	18	24	1	41	0	0.00	0.0	0	8.9	25	290	M	M	5		38	290
3	36	17	27	4	38	0	0.01	0.0	0	11.7	22	120	M	M	7		28	120
4	37	17	27	5	38	0	0.10	0.0	0	10.9	22	300	M	M	8	18	26	300
5	29	11	20	-2	45	0	0.00	0.0	0	7.8	16	300	M	M	3		23	290
6	30	16	23	1	42	0	0.04	1.2	0	6.0	16	140	M	M	8	18	22	90
7	29	13	21	-1	44	0	0.02	0.8	1	10.5	20	280	M	M	10	18	25	280
8	21	12	17	-5	48	0	T	0.1	0	9.7	17	270	M	M	4		23	290
9	29	12	21	-1	44	0	0.27	3.6	4	8.1	17	110	M	M	9	12468	30	60
10	29	20	25	3	40	0	0.35	8.4	6	11.7	21	10	M	M	10	12	24	10
11	20	13	17	-5	48	0	T	0.1	8	6.2	13	260	M	M	9	18	17	360
	29	3	16	-6	49	0	0.10	1.5	8	7.4	15	160	M	M	8	18	18	170
13	29	-2	14	-7	51	0	T	0.1	9	12.1	25	320	M	M	6	189	32	320
14	14	-2	6	-15	59	0	0.16	2.2	9	11.8	24	320	M	M	9	189	30	330
15	-1	-13	-7	-28	72	0	0.00	0.0	9	11.4	17	280	M	M	0		22	320
16	3	-18	-7	-28	72	0	0.00	0.0	9	7.7	17	250	M	M	1		21	260
17	24	3	14	-7	51	0	T	0.9	9	15.6	29	210	M	M	10		38	210
18	17	8	13	-8	52	0	T	0.1	9	8.8	17	320	M	M	5	18	21	320
19	23	9	16	-6	49	0	0.00	0.0	8	11.3	18	330	M	M	4		24	340
20	24	11	18	-4	47	0	T	0.1	7	10.0	18	340	M	M	5	1	22	340
21	28	13	21	-1	44	0	0.00	0.0	7	9.5	20	230	M	M	5	18	23	240
22	33	14	24	2	41	0	0.00	0.0	7	6.1	14	230	M	M	4	18	16	230
23	34	13	24	2	41	0	0.00	0.0	6	13.8	26	310	M	M	8	18	33	320
24	13	-1	6	-16	59	0	0.00	0.0	6	9.6	21	340	M	M	3		25	330
25	13	-2	6	-16	59	0	0.00	0.0	6	6.8	13	300	M	M	8		15	310
26	17	-1	8	-14	57	0	0.00	0.0	6	4.2	10	350	M	M	9		16	10
27	20	7	14	-8	51	0	0.04	0.5	6	5.7	9	360	M	M	9	1	18	270
28	18	8	13	-9	52	0	0.07	1.9	7	9.0	17	200	M	M	7	1	22	200
29	30	14	22	-1	43	0	T	T	7	11.9	20	270	M	M	8	8	25	260
30	14	4	9	-14	56	0	0.00	0.0	7	9.3	18	300	M	M	3		23	290
31	38	7	23	0	42	0	0.00	0.0	7	14.3	25	210	M	M	4		33	220
SM	741	241			1516	0	1.16		21.5	301.4			M		199			
AV	23.9	7.8								9.7	FASTST		M	M	6		MAX(MPH)	
									MISC ---->	# 29	210						# 38	290

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

Untitled
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 15.8
DPTR FM NORMAL: -6.2
HIGHEST: 38 ON 31
LOWEST: -18 ON 16

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.16
DPTR FM NORMAL: -0.59
GRTST 24HR 0.46 ON 9-10

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 21.5 INCHES
GRTST 24HR 8.4 ON M
GRTST DEPTH: 9 ON 18,17

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 26
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 31
MIN 0 OR BELOW: 7

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 10
0.10 INCH OR MORE: 5
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 1516
DPTR FM NORMAL 183
TOTAL FM JUL 1 4024
DPTR FM NORMAL 253

CLEAR (SCALE 0-3) 5
PTCLDY (SCALE 4-7) 15
CLOUDY (SCALE 8-10) 11

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 0
DPTR FM NORMAL 0

[PRESSURE DATA]
HIGHEST SLP 30.75 ON 16
LOWEST SLP 29.29 ON 7

[REMARKS]
FINAL-01-09#

o Monthly/Daily Climate Data

000
CXUS55 KLOT 262022
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: DECEMBER
YEAR: 2008
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	33	21	27	-6	38	0	0.42	2.7	3	16.0	30	340	M	M	10	19	36	340
2	35	21	28	-4	37	0	T	T	2	13.6	25	180	M	M	8		31	170
3	38	20	29	-3	36	0	0.09	1.0	2	13.2	23	310	M	M	9	18	29	210
4	22	12	17	-14	48	0	T	T	2	10.3	18	270	M	M	4		24	280
5	23	7	15	-16	50	0	T	T	2	11.7	23	200	M	M	6		29	210
6	32	13	23	-8	42	0	0.02	2.1	2	17.3	28	320	M	M	8	18	36	330
7	20	4	12	-18	53	0	T	T	2	7.6	15	170	M	M	6		18	320
8	38	16	27	-3	38	0	0.02	0.0	2	7.6	16	120	M	M	9	6	20	120
9	38	25	32	2	33	0	1.47	2.6	4	12.2	23	350	M	M	10	1489	32	20
10	29	18	24	-5	41	0	0.00	0.0	3	6.4	20	350	M	M	8		26	30
11	32	17	25	-4	40	0	0.00	0.0	3	8.5	17	320	M	M	3		22	320
	21	11	16	-12	49	0	0.00	0.0	3	9.1	17	300	M	M	2		21	310
13	39	19	29	1	36	0	0.19	T	0	19.3	31	190	M	M	9	18	43	180
14	50	31	41	13	24	0	0.18	0.0	0	21.2	33	190	M	M	10	16	47	210
15	31	5	18	-9	47	0	0.07	0.1	0	16.2	30	270	M	M	6	1468	41	280
16	22	6	14	-13	51	0	0.31	4.8	0	4.7	16	140	M	M	9	12	21	170
17	20	6	13	-14	52	0	T	T	4	7.8	14	280	M	M	8	18	17	290
18	23	3	13	-13	52	0	0.06	0.3	3	3.1	12	130	M	M	8	148	18	70
19	32	22	27	1	38	0	0.59	2.4	4	12.6	21	40	M	M	8	1346	30	90
20	31	17	24	-2	41	0	0.05	1.4	4	11.8	23	260	M	M	10	1	33	70
21	16	-6	5	-21	60	0	T	0.1	6	20.5	31	270	M	M	5	189	43	270
22	7	-4	2	-23	63	0	0.00	0.0	4	9.2	17	280	M	M	3		24	270
23	34	7	21	-4	44	0	0.27	3.8	7	13.9	25	170	M	M	10	124689	33	150
24	34	6	20	-5	45	0	0.18	0.4	7	12.6	28	270	M	M	8	148	37	280
25	24	0	12	-13	53	0	0.00	0.0	6	7.7	16	140	M	M	5		20	130
26	52	24	38	14	27	0	0.09	T	0	13.6	30	200	M	M	10	12468	39	190
27	61	32	47	23	18	0	1.74	0.0	0	17.6	31	250	M	M	10	13	43	250
28	32	24	28	4	37	0	T	T	0	14.9	35	250	M	M	3	18	47	250
29	43	29	36	12	29	0	0.00	0.0	0	12.8	28	290	M	M	1		36	300
30	40	24	32	9	33	0	0.02	0.2	0	9.7	21	340	M	M	7	8	35	340
31	24	11	18	-5	47	0	T	T	0	10.6	31	330	M	M	4	8	39	330
SM	976	441			1302	0	5.77		21.9	373.3			M		217			
AV	31.5	14.2								12.0	FASTST		M	M	7		MAX(MPH)	
									MISC ---->	# 35	250						# 47	210

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

ELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: DECEMBER

Untitled
YEAR: 2008
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

EMPERATURE DATA]

AVERAGE MONTHLY: 22.9
DPTR FM NORMAL: -4.5
HIGHEST: 61 ON 27
LOWEST: -6 ON 21

[PRECIPITATION DATA]

TOTAL FOR MONTH: 5.77
DPTR FM NORMAL: 3.34
GRTST 24HR 1.77 ON 26-27

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 21.9 INCHES
GRTST 24HR 4.8 ON M
GRTST DEPTH: 7 ON 24,23

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 18
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 31
MIN 0 OR BELOW: 3

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 17
0.10 INCH OR MORE: 9
0.50 INCH OR MORE: 3
1.00 INCH OR MORE: 2

[HDD (BASE 65)]
TOTAL THIS MO. 1302
DPTR FM NORMAL 151
TOTAL FM JUL 1 2508
DPTR FM NORMAL 70

CLEAR (SCALE 0-3) 4
PTCLDY (SCALE 4-7) 14
CLOUDY (SCALE 8-10) 13

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 828
DPTR FM NORMAL -2

[PRESSURE DATA]
HIGHEST SLP 30.67 ON 16
LOWEST SLP 29.25 ON 1

EMARKS]
#FINAL-12-08#

) Monthly/Daily Climate Data

000
CXUS55 KLOT 011314
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: NOVEMBER
YEAR: 2008
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:		SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	54	48	51	6	14	0	0.00	0.0	0	8.8	15	40	M	M	8	1	30	40
2	67	48	58	13	7	0	0.10	0.0	0	9.3	18	200	M	M	8	18	24	210
3	73	54	64	19	1	0	0.00	0.0	0	10.4	20	210	M	M	2		24	210
4	71	50	61	17	4	0	0.00	0.0	0	8.6	15	200	M	M	1	8	20	180
5	71	47	59	15	6	0	0.00	0.0	0	13.6	26	190	M	M	4	8	36	190
6	65	45	55	12	10	0	0.34	0.0	0	13.3	25	160	M	M	8	13	33	170
7	47	35	41	-2	24	0	0.06	T	0	10.8	21	240	M	M	6	18	28	220
8	40	35	38	-4	27	0	0.05	T	0	13.5	22	270	M	M	10	1	30	250
9	39	30	35	-7	30	0	T	T	0	12.2	21	260	M	M	10	1	28	260
10	39	26	33	-9	32	0	T	T	0	6.0	15	320	M	M	5		20	310
11	38	23	31	-10	34	0	0.29	T	0	8.6	20	130	M	M	8	14	23	140
12	48	38	43	2	22	0	0.04	0.0	0	10.0	18	170	M	M	10	18	22	180
13	55	44	50	10	15	0	0.06	0.0	0	15.2	25	190	M	M	9	18	35	220
14	52	42	47	7	18	0	0.05	0.0	0	8.5	23	210	M	M	10	1	31	210
15	42	35	39	-1	26	0	T	T	0	15.0	28	330	M	M	10		32	330
16	37	29	33	-6	32	0	0.01	0.1	0	10.3	18	270	M	M	9	1	25	280
17	36	26	31	-8	34	0	T	0.1	0	13.3	22	310	M	M	7		29	330
18	34	21	28	-10	37	0	0.00	0.0	0	8.2	18	330	M	M	4		24	330
19	44	29	37	-1	28	0	0.00	0.0	0	14.8	26	330	M	M	7		32	190
20	36	22	29	-8	36	0	T	T	0	15.1	24	330	M	M	8		32	340
21	29	17	23	-14	42	0	0.00	0.0	0	9.2	18	330	M	M	2	8	30	350
22	35	17	26	-11	39	0	0.00	0.0	0	6.3	15	170	M	M	6		18	170
23	45	20	33	-3	32	0	0.00	0.0	0	8.4	17	210	M	M	7	8	23	210
24	38	32	35	-1	30	0	0.14	0.1	0	10.5	23	300	M	M	8	18	30	300
25	40	28	34	-1	31	0	0.00	0.0	0	10.5	21	330	M	M	4		26	330
26	42	24	33	-2	32	0	0.00	0.0	0	3.9	10	270	M	M	1		14	280
27	45	22	34	0	31	0	0.00	0.0	0	7.0	23	290	M	M	3	18	30	300
28	44	26	35	1	30	0	0.00	0.0	0	7.5	15	270	M	M	1		21	280
29	44	20	32	-2	33	0	0.00	0.0	0	3.5	12	130	M	M	7		16	90
30	39	33	36	3	29	0	0.67	0.3	0	12.0	22	50	M	M	10	1	31	50
SM	1389	966			766	0	1.81		0.6	304.3			M		193			
AV	46.3	32.2								10.1	FASTST		M	M	6		MAX(MPH)	
								MISC ---->		# 28	330						# 36	190

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

Untitled
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 39.2
DPTR FM NORMAL: -0.0
HIGHEST: 73 ON 3
LOWEST: 17 ON 22,21

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.81
DPTR FM NORMAL: -1.20
GRTST 24HR 0.67 ON 30-30

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.6 INCH
GRTST 24HR 0.3 ON M
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW:	1
MAX 90 OR ABOVE:	0
MIN 32 OR BELOW:	17
MIN 0 OR BELOW:	0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE:	11
0.10 INCH OR MORE:	5
0.50 INCH OR MORE:	1
1.00 INCH OR MORE:	0

[HDD (BASE 65)]

TOTAL THIS MO.	766
DPTR FM NORMAL	7
TOTAL FM JUL 1	1206
DPTR FM NORMAL	-81

CLEAR (SCALE 0-3)	5
PTCLDY (SCALE 4-7)	15
CLOUDY (SCALE 8-10)	10

[CDD (BASE 65)]

TOTAL THIS MO.	0
DPTR FM NORMAL	0
TOTAL FM JAN 1	828
DPTR FM NORMAL	-2

[PRESSURE DATA]

HIGHEST SLP 30.57 ON 18
LOWEST SLP 29.25 ON 30

[REMARKS]
FINAL-11-08#

ↄ Monthly/Daily Climate Data

000
CXUS55 KLOT 131945
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: MAY
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	60	46	53	0	12	0	0.02	0.0	0	8.5	17	300	M	M	7		23	320
2	66	44	55	1	10	0	0.00	0.0	0	9.2	22	260	M	M	6		30	250
3	70	43	57	3	8	0	0.00	0.0	0	4.9	16	270	M	M	7		23	280
4	70	43	57	3	8	0	0.00	0.0	0	7.6	17	90	M	M	8		23	90
5	71	49	60	5	5	0	0.00	0.0	0	6.0	16	130	M	M	7		24	120
6	75	51	63	8	2	0	0.67	0.0	0	8.1	17	10	M	M	9	13	23	340
7	77	56	67	11	0	2	0.19	0.0	0	10.3	23	280	M	M	7	18	31	300
8	77	53	65	9	0	0	0.02	0.0	0	6.0	17	220	M	M	8	13	22	220
9	63	46	55	-1	10	0	T	0.0	0	11.8	33	310	M	M	8		48	300
10	67	40	54	-3	11	0	0.00	0.0	0	8.4	22	30	M	M	5		33	30
11	61	39	50	-7	15	0	0.00	0.0	0	4.6	13	70	M	M	6	8	22	80
	71	39	55	-2	10	0	0.00	0.0	0	9.6	23	170	M	M	4		29	170
13	70	53	62	4	3	0	0.55	0.0	0	16.4	30	190	M	M	10	13	40	200
14	68	53	61	3	4	0	0.00	0.0	0	10.7	24	250	M	M	5		30	280
15	61	52	57	-1	8	0	0.39	0.0	0	8.8	28	180	M	M	10	13	36	180
16	62	45	54	-5	11	0	T	0.0	0	12.5	26	320	M	M	6	1	35	330
17	63	39	51	-8	14	0	0.00	0.0	0	6.2	15	100	M	M	2		20	100
18	66	40	53	-6	12	0	T	0.0	0	9.9	22	200	M	M	5		28	180
19	80	52	66	6	0	1	0.00	0.0	0	13.8	23	200	M	M	2		29	200
20	84	61	73	13	0	8	0.00	0.0	0	14.6	23	200	M	M	0		30	220
21	84	60	72	12	0	7	0.00	0.0	0	12.8	21	30	M	M	4		32	30
22	69	53	61	0	4	0	0.00	0.0	0	10.7	20	50	M	M	6		33	40
23	80	50	65	4	0	0	0.00	0.0	0	5.7	14	70	M	M	8		M	M
24	71	55	63	1	2	0	0.00	0.0	0	11.0	22	20	M	M	7	1	29	40
25	67	54	61	-1	4	0	0.04	0.0	0	10.8	20	70	M	M	10		31	60
26	74	53	64	2	1	0	1.73	0.0	0	7.8	13	40	M	M	7	13	25	60
27	73	55	64	1	1	0	0.02	0.0	0	7.2	16	250	M	M	10	18	22	230
28	62	54	58	-5	7	0	0.00	0.0	0	8.1	16	300	M	M	9		22	270
29	74	50	62	-1	3	0	T	0.0	0	6.9	18	340	M	M	3		24	10
30	79	50	65	1	0	0	T	0.0	0	6.8	18	340	M	M	6		24	340
31	73	45	59	-5	6	0	0.00	0.0	0	4.6	16	90	M	M	2		24	70
SM	2188	1523			171	18	3.63		0.0	280.3			M		194			
AV	70.6	49.1								9.0	FASTST		M	M	6		MAX(MPH)	
									MISC ---->	# 33	310						# 48	300

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

.ELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: MAY

Untitled
YEAR: 2009
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

EMPERATURE DATA]

AVERAGE MONTHLY: 59.9
DPTR FM NORMAL: 1.2
HIGHEST: 84 ON 21,20
LOWEST: 39 ON 17,12

[PRECIPITATION DATA]

TOTAL FOR MONTH: 3.63
DPTR FM NORMAL: 0.25
GRTST 24HR 1.74 ON 26-27

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 9
0.10 INCH OR MORE: 5
0.50 INCH OR MORE: 3
1.00 INCH OR MORE: 1

[HDD (BASE 65)]
TOTAL THIS MO. 171
DPTR FM NORMAL -61
TOTAL FM JUL 1 6525
DPTR FM NORMAL 76

CLEAR (SCALE 0-3) 5
PTCLDY (SCALE 4-7) 18
CLOUDY (SCALE 8-10) 8

[CDD (BASE 65)]
TOTAL THIS MO. 18
DPTR FM NORMAL -30
TOTAL FM JAN 1 20
DPTR FM NORMAL -38

[PRESSURE DATA]
HIGHEST SLP 30.39 ON 17
LOWEST SLP 29.54 ON 9

EMARKS]
..INAL-05-09#

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: AUGUST
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	86	65	76	2	0	11	0.00	0.0	0	4.1	10	100	M	M	5	18	18	50
2	84	67	76	2	0	11	T	0.0	0	6.8	18	230	M	M	7	18	22	230
3	86	66	76	2	0	11	0.28	0.0	0	3.3	13	240	M	M	7	13	20	40
4	83	71	77	4	0	12	0.48	0.0	0	4.9	38	270	M	M	7	13	56	270
5	83	68	76	3	0	11	0.00	0.0	0	10.9	22	300	M	M	1		29	310
6	82	64	73	0	0	8	0.00	0.0	0	6.5	14	300	M	M	1		18	310
7	83	62	73	0	0	8	0.00	0.0	0	8.0	17	200	M	M	4		22	200
8	87	69	78	5	0	13	0.08	0.0	0	9.9	30	220	M	M	6	1	41	220
9	88	72	80	7	0	15	0.15	0.0	0	7.1	22	300	M	M	8	13	26	310
10	89	75	82	9	0	17	0.00	0.0	0	4.9	12	50	M	M	7		22	60
11	90	75	83	10	0	18	0.00	0.0	0	6.0	17	290	M	M	6	18	21	280
12	92	74	83	10	0	18	0.00	0.0	0	5.7	12	80	M	M	2		20	80
13	92	73	83	11	0	18	0.25	0.0	0	7.6	31	300	M	M	6	13	38	310
14	88	72	80	8	0	15	T	0.0	0	5.0	13	240	M	M	7		18	240
15	83	66	75	3	0	10	0.00	0.0	0	8.8	23	290	M	M	2		30	290
16	80	63	72	0	0	7	0.00	0.0	0	9.3	21	260	M	M	1		26	280
17	79	64	72	0	0	7	0.03	0.0	0	6.1	13	310	M	M	8		18	40
18	84	63	74	2	0	9	0.05	0.0	0	3.5	10	110	M	M	6		20	60
19	88	66	77	6	0	12	0.00	0.0	0	5.0	14	220	M	M	4		18	220
20	92	71	82	11	0	17	0.03	0.0	0	11.2	22	170	M	M	7		28	210
21	86	71	79	8	0	14	0.45	0.0	0	6.0	15	40	M	M	7	1	22	60
22	81	68	75	4	0	10	0.00	0.0	0	8.5	14	70	M	M	3		M	60
23	80	65	73	2	0	8	0.00	0.0	0	7.3	14	50	M	M	3		M	M
24	84	64	74	4	0	9	T	0.0	0	5.8	17	360	M	M	6		23	340
25	79	61	70	0	0	5	0.00	0.0	0	10.3	17	330	M	M	2		26	10
26	79	59	69	-1	0	4	0.00	0.0	0	5.2	10	90	M	M	3		M	70
27	86	59	73	3	0	8	0.00	0.0	0	9.0	13	190	M	M	1		13	190
28	88	65	77	7	0	12	0.00	0.0	0	10.8	17	180	M	M	0		17	180
29	94	71	83	14	0	18	0.00	0.0	0	11.4	20	180	M	M	3		24	180
30	88	74	81	12	0	16	0.00	0.0	0	14.4	20	190	M	M	5		26	180
31	93	75	84	15	0	19	0.00	0.0	0	15.0	21	190	M	M	4		26	190
SM	2657	2098			0	371	1.80		0.0	238.3			M		139			
AV	85.7	67.7								7.7	FASTST		M	M	4		MAX(MPH)	
									MISC ---->		# 38	270					# 56	270

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: AUGUST
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 76.7
DPTR FM NORMAL: 5.0
HIGHEST: 94 ON 29
LOWEST: 59 ON 27,26

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.80
DPTR FM NORMAL: -2.82
GRTST 24HR 0.59 ON 31- 1

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 6
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 9
0.10 INCH OR MORE: 5
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL -9
TOTAL FM JUL 1 0
DPTR FM NORMAL -15

CLEAR (SCALE 0-3) 12
PTCLDY (SCALE 4-7) 19
CLOUDY (SCALE 8-10) 0

[CDD (BASE 65)]

TOTAL THIS MO. 371
DPTR FM NORMAL 138
TOTAL FM JAN 1 1084
DPTR FM NORMAL 355

[PRESSURE DATA]

HIGHEST SLP M ON M
LOWEST SLP 29.19 ON 31

[REMARKS]
#FINAL-08-10#

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: AUGUST
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	86	65	76	2	0	11	0.00	0.0	0	4.1	10	100	M	M	5	18	18	50
2	84	67	76	2	0	11	T	0.0	0	6.8	18	230	M	M	7	18	22	230
3	86	66	76	2	0	11	0.28	0.0	0	3.3	13	240	M	M	7	13	20	40
4	83	71	77	4	0	12	0.48	0.0	0	4.9	38	270	M	M	7	13	56	270
5	83	68	76	3	0	11	0.00	0.0	0	10.9	22	300	M	M	1		29	310
6	82	64	73	0	0	8	0.00	0.0	0	6.5	14	300	M	M	1		18	310
7	83	62	73	0	0	8	0.00	0.0	0	8.0	17	200	M	M	4		22	200
8	87	69	78	5	0	13	0.08	0.0	0	9.9	30	220	M	M	6	1	41	220
9	88	72	80	7	0	15	0.15	0.0	0	7.1	22	300	M	M	8	13	26	310
10	89	75	82	9	0	17	0.00	0.0	0	4.9	12	50	M	M	7		22	60
11	90	75	83	10	0	18	0.00	0.0	0	6.0	17	290	M	M	6	18	21	280
12	92	74	83	10	0	18	0.00	0.0	0	5.7	12	80	M	M	2		20	80
13	92	73	83	11	0	18	0.25	0.0	0	7.6	31	300	M	M	6	13	38	310
14	88	72	80	8	0	15	T	0.0	0	5.0	13	240	M	M	7		18	240
15	83	66	75	3	0	10	0.00	0.0	0	8.8	23	290	M	M	2		30	290
16	80	63	72	0	0	7	0.00	0.0	0	9.3	21	260	M	M	1		26	280
17	79	64	72	0	0	7	0.03	0.0	0	6.1	13	310	M	M	8		18	40
18	84	63	74	2	0	9	0.05	0.0	0	3.5	10	110	M	M	6		20	60
19	88	66	77	6	0	12	0.00	0.0	0	5.0	14	220	M	M	4		18	220
20	92	71	82	11	0	17	0.03	0.0	0	11.2	22	170	M	M	7		28	210
21	86	71	79	8	0	14	0.45	0.0	0	6.0	15	40	M	M	7	1	22	60
22	81	68	75	4	0	10	0.00	0.0	0	8.5	14	70	M	M	3		M	60
23	80	65	73	2	0	8	0.00	0.0	0	7.3	14	50	M	M	3		M	M
24	84	64	74	4	0	9	T	0.0	0	5.8	17	360	M	M	6		23	340
25	79	61	70	0	0	5	0.00	0.0	0	10.3	17	330	M	M	2		26	10
26	79	59	69	-1	0	4	0.00	0.0	0	5.2	10	90	M	M	3		M	70
27	86	59	73	3	0	8	0.00	0.0	0	9.0	13	190	M	M	1		13	190
28	88	65	77	7	0	12	0.00	0.0	0	10.8	17	180	M	M	0		17	180
29	94	71	83	14	0	18	0.00	0.0	0	11.4	20	180	M	M	3		24	180
30	88	74	81	12	0	16	0.00	0.0	0	14.4	20	190	M	M	5		26	180
31	93	75	84	15	0	19	0.00	0.0	0	15.0	21	190	M	M	4		26	190
SM	2657	2098			0	371	1.80		0.0	238.3			M		139			
AV	85.7	67.7								7.7	FASTST		M	M	4		MAX(MPH)	
									MISC ---->	#	38	270					# 56	270

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2
Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JULY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:		WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	77	55	66	-6	0	1	0.00	0.0	0	5.5	13	120	M	M	1		24	80
2	83	59	71	-1	0	6	0.00	0.0	0	8.1	15	200	M	M	0		23	220
3	87	60	74	2	0	9	0.00	0.0	0	9.0	17	210	M	M	0		23	180
4	91	68	80	8	0	15	0.00	0.0	0	10.5	24	200	M	M	4		31	240
5	91	78	85	13	0	20	0.00	0.0	0	15.3	28	210	M	M	5		36	200
6	90	73	82	10	0	17	0.37	0.0	0	9.0	26	210	M	M	5	13	36	210
7	93	71	82	9	0	17	0.20	0.0	0	6.3	23	170	M	M	5	18	29	170
8	88	73	81	8	0	16	0.16	0.0	0	5.4	14	340	M	M	7	13	20	40
9	88	70	79	6	0	14	T	0.0	0	7.5	18	330	M	M	5	8	23	60
10	89	69	79	6	0	14	0.00	0.0	0	8.0	16	330	M	M	5	8	21	320
11	85	66	76	3	0	11	0.79	0.0	0	7.8	21	200	M	M	6	13	25	190
12	84	65	75	2	0	10	T	0.0	0	3.9	13	50	M	M	7	1	21	70
13	84	70	77	4	0	12	0.17	0.0	0	6.1	13	70	M	M	7	1	22	60
14	90	70	80	7	0	15	0.00	0.0	0	10.1	20	170	M	M	4	18	25	170
15	90	71	81	8	0	16	0.01	0.0	0	10.1	21	300	M	M	6	1	24	300
16	90	67	79	5	0	14	0.00	0.0	0	8.1	17	210	M	M	1		23	260
17	93	71	82	8	0	17	0.00	0.0	0	6.9	15	330	M	M	3		18	300
18	92	72	82	8	0	17	0.01	0.0	0	9.7	22	260	M	M	6	3	32	250
19	84	69	77	3	0	12	0.01	0.0	0	4.9	13	210	M	M	6		17	30
20	86	68	77	3	0	12	T	0.0	0	7.2	16	220	M	M	7		22	120
21	91	72	82	8	0	17	0.00	0.0	0	6.8	16	320	M	M	4		25	10
22	90	69	80	6	0	15	0.01	0.0	0	11.9	26	210	M	M	7	8	32	200
23	94	70	82	8	0	17	2.79	0.0	0	11.8	29	250	M	M	7	13	37	240
24	87	69	78	4	0	13	3.64	0.0	0	8.9	24	320	M	M	9	13	33	310
25	81	66	74	0	0	9	0.00	0.0	0	9.2	17	30	M	M	5		26	60
26	84	61	73	-1	0	8	0.00	0.0	0	5.2	15	100	M	M	6		20	80
27	88	68	78	4	0	13	0.00	0.0	0	6.4	14	220	M	M	4		17	210
28	88	73	81	7	0	16	0.00	0.0	0	9.3	16	300	M	M	7	18	21	320
29	82	67	75	1	0	10	0.00	0.0	0	7.0	14	70	M	M	6		26	50
30	80	69	75	1	0	10	T	0.0	0	6.1	14	160	M	M	10	3	17	150
31	80	65	73	-1	0	8	0.68	0.0	0	5.8	17	170	M	M	5	138	22	180

SM 2700 2114 0 401 8.84 0.0 247.8 M 160

AV 87.1 68.2 8.0 FASTST M M 5 MAX(MPH)
MISC ----> # 29 250 # 37 240

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: JULY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 77.6
DPTR FM NORMAL: 4.3
HIGHEST: 94 ON 23
LOWEST: 55 ON 1

[PRECIPITATION DATA]

TOTAL FOR MONTH: 8.84
DPTR FM NORMAL: 5.33
GRTST 24HR 6.38 ON 23-24

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 12
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 12
0.10 INCH OR MORE: 8
0.50 INCH OR MORE: 4
1.00 INCH OR MORE: 2

[HDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL -6
TOTAL FM JUL 1 0
DPTR FM NORMAL -6

CLEAR (SCALE 0-3) 5
PTCLDY (SCALE 4-7) 24
CLOUDY (SCALE 8-10) 2

[CDD (BASE 65)]

TOTAL THIS MO. 401
DPTR FM NORMAL 122
TOTAL FM JAN 1 713
DPTR FM NORMAL 217

[PRESSURE DATA]

HIGHEST SLP M ON M
LOWEST SLP 29.31 ON 29

[REMARKS]
#FINAL-07-10#

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: AUGUST
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	86	65	76	2	0	11	0.00	0.0	0	4.1	10	100	M	M	5	18	18	50
2	84	67	76	2	0	11	T	0.0	0	6.8	18	230	M	M	7	18	22	230
3	86	66	76	2	0	11	0.28	0.0	0	3.3	13	240	M	M	7	13	20	40
4	83	71	77	4	0	12	0.48	0.0	0	4.9	38	270	M	M	7	13	56	270
5	83	68	76	3	0	11	0.00	0.0	0	10.9	22	300	M	M	1		29	310
6	82	64	73	0	0	8	0.00	0.0	0	6.5	14	300	M	M	1		18	310
7	83	62	73	0	0	8	0.00	0.0	0	8.0	17	200	M	M	4		22	200
8	87	69	78	5	0	13	0.08	0.0	0	9.9	30	220	M	M	6	1	41	220
9	88	72	80	7	0	15	0.15	0.0	0	7.1	22	300	M	M	8	13	26	310
10	89	75	82	9	0	17	0.00	0.0	0	4.9	12	50	M	M	7		22	60
11	90	75	83	10	0	18	0.00	0.0	0	6.0	17	290	M	M	6	18	21	280
12	92	74	83	10	0	18	0.00	0.0	0	5.7	12	80	M	M	2		20	80
13	92	73	83	11	0	18	0.25	0.0	0	7.6	31	300	M	M	6	13	38	310
14	88	72	80	8	0	15	T	0.0	0	5.0	13	240	M	M	7		18	240
15	83	66	75	3	0	10	0.00	0.0	0	8.8	23	290	M	M	2		30	290
16	80	63	72	0	0	7	0.00	0.0	0	9.3	21	260	M	M	1		26	280
17	79	64	72	0	0	7	0.03	0.0	0	6.1	13	310	M	M	8		18	40
18	84	63	74	2	0	9	0.05	0.0	0	3.5	10	110	M	M	6		20	60
19	88	66	77	6	0	12	0.00	0.0	0	5.0	14	220	M	M	4		18	220
20	92	71	82	11	0	17	0.03	0.0	0	11.2	22	170	M	M	7		28	210
21	86	71	79	8	0	14	0.45	0.0	0	6.0	15	40	M	M	7	1	22	60
22	81	68	75	4	0	10	0.00	0.0	0	8.5	14	70	M	M	3		M	60
23	80	65	73	2	0	8	0.00	0.0	0	7.3	14	50	M	M	3		M	M
24	84	64	74	4	0	9	T	0.0	0	5.8	17	360	M	M	6		23	340
25	79	61	70	0	0	5	0.00	0.0	0	10.3	17	330	M	M	2		26	10
26	79	59	69	-1	0	4	0.00	0.0	0	5.2	10	90	M	M	3		M	70
27	86	59	73	3	0	8	0.00	0.0	0	9.0	13	190	M	M	1		13	190
28	88	65	77	7	0	12	0.00	0.0	0	10.8	17	180	M	M	0		17	180
29	94	71	83	14	0	18	0.00	0.0	0	11.4	20	180	M	M	3		24	180
30	88	74	81	12	0	16	0.00	0.0	0	14.4	20	190	M	M	5		26	180
31	93	75	84	15	0	19	0.00	0.0	0	15.0	21	190	M	M	4		26	190
SM	2657	2098			0	371	1.80		0.0	238.3			M		139			
AV	85.7	67.7								7.7	FASTST		M	M	4		MAX(MPH)	
								MISC ---->		# 38	270						# 56	270

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2
Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JULY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	77	55	66	-6	0	1	0.00	0.0	0	5.5	13	120	M	M	1		24	80
2	83	59	71	-1	0	6	0.00	0.0	0	8.1	15	200	M	M	0		23	220
3	87	60	74	2	0	9	0.00	0.0	0	9.0	17	210	M	M	0		23	180
4	91	68	80	8	0	15	0.00	0.0	0	10.5	24	200	M	M	4		31	240
5	91	78	85	13	0	20	0.00	0.0	0	15.3	28	210	M	M	5		36	200
6	90	73	82	10	0	17	0.37	0.0	0	9.0	26	210	M	M	5	13	36	210
7	93	71	82	9	0	17	0.20	0.0	0	6.3	23	170	M	M	5	18	29	170
8	88	73	81	8	0	16	0.16	0.0	0	5.4	14	340	M	M	7	13	20	40
9	88	70	79	6	0	14	T	0.0	0	7.5	18	330	M	M	5	8	23	60
10	89	69	79	6	0	14	0.00	0.0	0	8.0	16	330	M	M	5	8	21	320
11	85	66	76	3	0	11	0.79	0.0	0	7.8	21	200	M	M	6	13	25	190
12	84	65	75	2	0	10	T	0.0	0	3.9	13	50	M	M	7	1	21	70
13	84	70	77	4	0	12	0.17	0.0	0	6.1	13	70	M	M	7	1	22	60
14	90	70	80	7	0	15	0.00	0.0	0	10.1	20	170	M	M	4	18	25	170
15	90	71	81	8	0	16	0.01	0.0	0	10.1	21	300	M	M	6	1	24	300
16	90	67	79	5	0	14	0.00	0.0	0	8.1	17	210	M	M	1		23	260
17	93	71	82	8	0	17	0.00	0.0	0	6.9	15	330	M	M	3		18	300
18	92	72	82	8	0	17	0.01	0.0	0	9.7	22	260	M	M	6	3	32	250
19	84	69	77	3	0	12	0.01	0.0	0	4.9	13	210	M	M	6		17	30
20	86	68	77	3	0	12	T	0.0	0	7.2	16	220	M	M	7		22	120
21	91	72	82	8	0	17	0.00	0.0	0	6.8	16	320	M	M	4		25	10
22	90	69	80	6	0	15	0.01	0.0	0	11.9	26	210	M	M	7	8	32	200
23	94	70	82	8	0	17	2.79	0.0	0	11.8	29	250	M	M	7	13	37	240
24	87	69	78	4	0	13	3.64	0.0	0	8.9	24	320	M	M	9	13	33	310
25	81	66	74	0	0	9	0.00	0.0	0	9.2	17	30	M	M	5		26	60
26	84	61	73	-1	0	8	0.00	0.0	0	5.2	15	100	M	M	6		20	80
27	88	68	78	4	0	13	0.00	0.0	0	6.4	14	220	M	M	4		17	210
28	88	73	81	7	0	16	0.00	0.0	0	9.3	16	300	M	M	7	18	21	320
29	82	67	75	1	0	10	0.00	0.0	0	7.0	14	70	M	M	6		26	50
30	80	69	75	1	0	10	T	0.0	0	6.1	14	160	M	M	10	3	17	150
31	80	65	73	-1	0	8	0.68	0.0	0	5.8	17	170	M	M	5	138	22	180

SM 2700 2114 0 401 8.84 0.0 247.8 M 160

AV 87.1 68.2 8.0 FASTST M M 5 MAX(MPH)
MISC ----> # 29 250 # 37 240

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 011158
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JUNE
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	85	63	74	10	0	9	0.00	0.0	0	6.0	17	220	M	M	6	18	22	240
2	77	57	67	2	0	2	1.02	0.0	0	8.7	17	340	M	M	10	13	24	70
3	71	56	64	-1	1	0	0.00	0.0	0	7.8	14	50	M	M	5		M	30
4	83	57	70	5	0	5	0.00	0.0	0	9.8	23	220	M	M	7		31	230
5	79	60	70	5	0	5	0.15	0.0	0	7.8	31	10	M	M	9	13	39	10
6	76	55	66	0	0	1	T	0.0	0	11.2	29	320	M	M	5		36	320
7	70	54	62	-4	3	0	0.00	0.0	0	6.9	14	80	M	M	4		25	70
8	67	58	63	-3	2	0	0.45	0.0	0	10.1	22	130	M	M	10	1	28	120
9	83	65	74	7	0	9	0.00	0.0	0	10.8	23	280	M	M	6	1	33	280
10	77	58	68	1	0	3	0.00	0.0	0	6.7	15	70	M	M	7		22	60
11	89	64	77	10	0	12	0.02	0.0	0	10.5	26	190	M	M	9	13	35	200
12	77	62	70	3	0	5	0.34	0.0	0	8.1	15	110	M	M	10	138	22	40
13	71	62	67	-1	0	2	0.25	0.0	0	5.0	12	140	M	M	10	18	17	70
14	70	60	65	-3	0	0	T	0.0	0	6.6	15	40	M	M	9	1	28	40
15	79	60	70	2	0	5	0.59	0.0	0	5.5	16	290	M	M	9	138	20	290
16	82	63	73	4	0	8	0.00	0.0	0	9.0	20	300	M	M	4	8	25	50
17	84	64	74	5	0	9	0.00	0.0	0	7.5	14	170	M	M	5		17	180
18	90	67	79	10	0	14	0.87	0.0	0	10.4	46	270	M	M	7	1238	60	260
19	85	66	76	7	0	11	0.00	0.0	0	10.6	25	290	M	M	5		35	260
20	81	64	73	4	0	8	T	0.0	0	4.7	16	70	M	M	6		24	50
21	85	67	76	6	0	11	0.22	0.0	0	8.4	36	220	M	M	8	13	58	200
22	85	69	77	7	0	12	0.00	0.0	0	6.9	16	210	M	M	5		21	220
23	87	69	78	8	0	13	0.87	0.0	0	11.5	26	220	M	M	9	13	36	180
24	84	65	75	5	0	10	0.00	0.0	0	8.7	22	300	M	M	4		28	310
25	84	62	73	2	0	8	0.00	0.0	0	7.3	16	230	M	M	3		25	190

26	87	69	78	7	0	13	0.85	0.0	0	6.7	25	310	M	M	7	13		36	310
27	85	72	79	8	0	14	0.54	0.0	0	9.1	22	270	M	M	8	13		31	280
28	82	63	73	2	0	8	0.00	0.0	0	11.3	21	300	M	M	5			28	60
29	75	59	67	-4	0	2	0.00	0.0	0	7.5	21	60	M	M	4			26	50
30	75	56	66	-6	0	1	0.00	0.0	0	6.0	15	40	M	M	2			28	50
SM	2405	1866				6	200	6.17		0.0	247.1			M		198			
AV	80.2	62.2									8.2	FASTST	M	M	7		MAX(MPH)		
									MISC ---->		# 46	270					# 60	260	

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: JUNE
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 71.2
DPTR FM NORMAL: 3.0
HIGHEST: 90 ON 18
LOWEST: 54 ON 7

[PRECIPITATION DATA]

TOTAL FOR MONTH: 6.17
DPTR FM NORMAL: 2.54
GRTST 24HR 1.02 ON 2- 2

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 1
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 12
0.10 INCH OR MORE: 11
0.50 INCH OR MORE: 6
1.00 INCH OR MORE: 1

[HDD (BASE 65)]
TOTAL THIS MO. 6
DPTR FM NORMAL -43
TOTAL FM JUL 1 5970
DPTR FM NORMAL -528

CLEAR (SCALE 0-3) 2
PTCLDY (SCALE 4-7) 17
CLOUDY (SCALE 8-10) 11

[CDD (BASE 65)]
TOTAL THIS MO. 200
DPTR FM NORMAL 41
TOTAL FM JAN 1 312
DPTR FM NORMAL 95

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.49 ON 27

[REMARKS]
#FINAL-06-10#

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: AUGUST
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	86	65	76	2	0	11	0.00	0.0	0	4.1	10	100	M	M	5	18	18	50
2	84	67	76	2	0	11	T	0.0	0	6.8	18	230	M	M	7	18	22	230
3	86	66	76	2	0	11	0.28	0.0	0	3.3	13	240	M	M	7	13	20	40
4	83	71	77	4	0	12	0.48	0.0	0	4.9	38	270	M	M	7	13	56	270
5	83	68	76	3	0	11	0.00	0.0	0	10.9	22	300	M	M	1		29	310
6	82	64	73	0	0	8	0.00	0.0	0	6.5	14	300	M	M	1		18	310
7	83	62	73	0	0	8	0.00	0.0	0	8.0	17	200	M	M	4		22	200
8	87	69	78	5	0	13	0.08	0.0	0	9.9	30	220	M	M	6	1	41	220
9	88	72	80	7	0	15	0.15	0.0	0	7.1	22	300	M	M	8	13	26	310
10	89	75	82	9	0	17	0.00	0.0	0	4.9	12	50	M	M	7		22	60
11	90	75	83	10	0	18	0.00	0.0	0	6.0	17	290	M	M	6	18	21	280
12	92	74	83	10	0	18	0.00	0.0	0	5.7	12	80	M	M	2		20	80
13	92	73	83	11	0	18	0.25	0.0	0	7.6	31	300	M	M	6	13	38	310
14	88	72	80	8	0	15	T	0.0	0	5.0	13	240	M	M	7		18	240
15	83	66	75	3	0	10	0.00	0.0	0	8.8	23	290	M	M	2		30	290
16	80	63	72	0	0	7	0.00	0.0	0	9.3	21	260	M	M	1		26	280
17	79	64	72	0	0	7	0.03	0.0	0	6.1	13	310	M	M	8		18	40
18	84	63	74	2	0	9	0.05	0.0	0	3.5	10	110	M	M	6		20	60
19	88	66	77	6	0	12	0.00	0.0	0	5.0	14	220	M	M	4		18	220
20	92	71	82	11	0	17	0.03	0.0	0	11.2	22	170	M	M	7		28	210
21	86	71	79	8	0	14	0.45	0.0	0	6.0	15	40	M	M	7	1	22	60
22	81	68	75	4	0	10	0.00	0.0	0	8.5	14	70	M	M	3		M	60
23	80	65	73	2	0	8	0.00	0.0	0	7.3	14	50	M	M	3		M	M
24	84	64	74	4	0	9	T	0.0	0	5.8	17	360	M	M	6		23	340
25	79	61	70	0	0	5	0.00	0.0	0	10.3	17	330	M	M	2		26	10
26	79	59	69	-1	0	4	0.00	0.0	0	5.2	10	90	M	M	3		M	70
27	86	59	73	3	0	8	0.00	0.0	0	9.0	13	190	M	M	1		13	190
28	88	65	77	7	0	12	0.00	0.0	0	10.8	17	180	M	M	0		17	180
29	94	71	83	14	0	18	0.00	0.0	0	11.4	20	180	M	M	3		24	180
30	88	74	81	12	0	16	0.00	0.0	0	14.4	20	190	M	M	5		26	180
31	93	75	84	15	0	19	0.00	0.0	0	15.0	21	190	M	M	4		26	190
SM	2657	2098			0	371	1.80		0.0	238.3			M		139			
AV	85.7	67.7								7.7	FASTST		M	M	4		MAX(MPH)	
									MISC ---->		# 38	270					# 56	270

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2
Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JULY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	77	55	66	-6	0	1	0.00	0.0	0	5.5	13	120	M	M	1		24	80
2	83	59	71	-1	0	6	0.00	0.0	0	8.1	15	200	M	M	0		23	220
3	87	60	74	2	0	9	0.00	0.0	0	9.0	17	210	M	M	0		23	180
4	91	68	80	8	0	15	0.00	0.0	0	10.5	24	200	M	M	4		31	240
5	91	78	85	13	0	20	0.00	0.0	0	15.3	28	210	M	M	5		36	200
6	90	73	82	10	0	17	0.37	0.0	0	9.0	26	210	M	M	5	13	36	210
7	93	71	82	9	0	17	0.20	0.0	0	6.3	23	170	M	M	5	18	29	170
8	88	73	81	8	0	16	0.16	0.0	0	5.4	14	340	M	M	7	13	20	40
9	88	70	79	6	0	14	T	0.0	0	7.5	18	330	M	M	5	8	23	60
10	89	69	79	6	0	14	0.00	0.0	0	8.0	16	330	M	M	5	8	21	320
11	85	66	76	3	0	11	0.79	0.0	0	7.8	21	200	M	M	6	13	25	190
12	84	65	75	2	0	10	T	0.0	0	3.9	13	50	M	M	7	1	21	70
13	84	70	77	4	0	12	0.17	0.0	0	6.1	13	70	M	M	7	1	22	60
14	90	70	80	7	0	15	0.00	0.0	0	10.1	20	170	M	M	4	18	25	170
15	90	71	81	8	0	16	0.01	0.0	0	10.1	21	300	M	M	6	1	24	300
16	90	67	79	5	0	14	0.00	0.0	0	8.1	17	210	M	M	1		23	260
17	93	71	82	8	0	17	0.00	0.0	0	6.9	15	330	M	M	3		18	300
18	92	72	82	8	0	17	0.01	0.0	0	9.7	22	260	M	M	6	3	32	250
19	84	69	77	3	0	12	0.01	0.0	0	4.9	13	210	M	M	6		17	30
20	86	68	77	3	0	12	T	0.0	0	7.2	16	220	M	M	7		22	120
21	91	72	82	8	0	17	0.00	0.0	0	6.8	16	320	M	M	4		25	10
22	90	69	80	6	0	15	0.01	0.0	0	11.9	26	210	M	M	7	8	32	200
23	94	70	82	8	0	17	2.79	0.0	0	11.8	29	250	M	M	7	13	37	240
24	87	69	78	4	0	13	3.64	0.0	0	8.9	24	320	M	M	9	13	33	310
25	81	66	74	0	0	9	0.00	0.0	0	9.2	17	30	M	M	5		26	60
26	84	61	73	-1	0	8	0.00	0.0	0	5.2	15	100	M	M	6		20	80
27	88	68	78	4	0	13	0.00	0.0	0	6.4	14	220	M	M	4		17	210
28	88	73	81	7	0	16	0.00	0.0	0	9.3	16	300	M	M	7	18	21	320
29	82	67	75	1	0	10	0.00	0.0	0	7.0	14	70	M	M	6		26	50
30	80	69	75	1	0	10	T	0.0	0	6.1	14	160	M	M	10	3	17	150
31	80	65	73	-1	0	8	0.68	0.0	0	5.8	17	170	M	M	5	138	22	180

Untitled

SM 2700 2114 0 401 8.84 0.0 247.8 M 160

AV 87.1 68.2 8.0 FASTST M M 5 MAX(MPH)
MISC ----> # 29 250 # 37 240

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 011158
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JUNE
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	85	63	74	10	0	9	0.00	0.0	0	6.0	17	220	M	M	6	18	22	240
2	77	57	67	2	0	2	1.02	0.0	0	8.7	17	340	M	M	10	13	24	70
3	71	56	64	-1	1	0	0.00	0.0	0	7.8	14	50	M	M	5		M	30
4	83	57	70	5	0	5	0.00	0.0	0	9.8	23	220	M	M	7		31	230
5	79	60	70	5	0	5	0.15	0.0	0	7.8	31	10	M	M	9	13	39	10
6	76	55	66	0	0	1	T	0.0	0	11.2	29	320	M	M	5		36	320
7	70	54	62	-4	3	0	0.00	0.0	0	6.9	14	80	M	M	4		25	70
8	67	58	63	-3	2	0	0.45	0.0	0	10.1	22	130	M	M	10	1	28	120
9	83	65	74	7	0	9	0.00	0.0	0	10.8	23	280	M	M	6	1	33	280
10	77	58	68	1	0	3	0.00	0.0	0	6.7	15	70	M	M	7		22	60
11	89	64	77	10	0	12	0.02	0.0	0	10.5	26	190	M	M	9	13	35	200
12	77	62	70	3	0	5	0.34	0.0	0	8.1	15	110	M	M	10	138	22	40
13	71	62	67	-1	0	2	0.25	0.0	0	5.0	12	140	M	M	10	18	17	70
14	70	60	65	-3	0	0	T	0.0	0	6.6	15	40	M	M	9	1	28	40
15	79	60	70	2	0	5	0.59	0.0	0	5.5	16	290	M	M	9	138	20	290
16	82	63	73	4	0	8	0.00	0.0	0	9.0	20	300	M	M	4	8	25	50
17	84	64	74	5	0	9	0.00	0.0	0	7.5	14	170	M	M	5		17	180
18	90	67	79	10	0	14	0.87	0.0	0	10.4	46	270	M	M	7	1238	60	260
19	85	66	76	7	0	11	0.00	0.0	0	10.6	25	290	M	M	5		35	260
20	81	64	73	4	0	8	T	0.0	0	4.7	16	70	M	M	6		24	50
21	85	67	76	6	0	11	0.22	0.0	0	8.4	36	220	M	M	8	13	58	200
22	85	69	77	7	0	12	0.00	0.0	0	6.9	16	210	M	M	5		21	220
23	87	69	78	8	0	13	0.87	0.0	0	11.5	26	220	M	M	9	13	36	180
24	84	65	75	5	0	10	0.00	0.0	0	8.7	22	300	M	M	4		28	310
25	84	62	73	2	0	8	0.00	0.0	0	7.3	16	230	M	M	3		25	190

26	87	69	78	7	0	13	0.85	0.0		0	6.7	25	310	M	M	7	13		36	310
27	85	72	79	8	0	14	0.54	0.0		0	9.1	22	270	M	M	8	13		31	280
28	82	63	73	2	0	8	0.00	0.0		0	11.3	21	300	M	M	5			28	60
29	75	59	67	-4	0	2	0.00	0.0		0	7.5	21	60	M	M	4			26	50
30	75	56	66	-6	0	1	0.00	0.0		0	6.0	15	40	M	M	2			28	50
SM	2405	1866			6	200	6.17		0.0	247.1				M		198				
AV	80.2	62.2									8.2	FASTST		M	M	7		MAX(MPH)		
								MISC ---->			#	46	270					# 60	260	

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2
Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: MAY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	70	58	64	11	1	0	0.11	0.0	0	9.4	20	240	M	M	8	1	25	230
2	69	53	61	7	4	0	0.93	0.0	0	6.1	16	280	M	M	7	1	22	280
3	72	50	61	7	4	0	0.00	0.0	0	9.4	21	230	M	M	3		30	290
4	79	50	65	11	0	0	0.00	0.0	0	14.2	28	220	M	M	4		36	230
5	72	56	64	9	1	0	T	0.0	0	12.8	25	290	M	M	5		33	250
6	63	46	55	0	10	0	0.01	0.0	0	9.1	17	50	M	M	5	3	24	60
7	59	45	52	-4	13	0	0.72	0.0	0	13.2	32	120	M	M	8	138	38	130
8	50	42	46	-10	19	0	0.02	0.0	0	15.2	30	280	M	M	9	1	39	270
9	58	38	48	-8	17	0	0.00	0.0	0	6.4	14	100	M	M	4		22	70
10	58	41	50	-7	15	0	T	0.0	0	14.2	30	120	M	M	8		36	130
11	52	44	48	-9	17	0	0.97	0.0	0	9.9	29	120	M	M	9	1	37	110
12	51	44	48	-9	17	0	0.12	0.0	0	10.4	21	100	M	M	10	1238	25	60
13	73	48	61	3	4	0	1.49	0.0	0	12.3	26	260	M	M	7	13	38	270
14	66	47	57	-1	8	0	0.00	0.0	0	11.2	23	280	M	M	5		30	260
15	61	43	52	-6	13	0	0.00	0.0	0	5.8	13	40	M	M	8		M	M
16	66	41	54	-5	11	0	0.00	0.0	0	10.1	18	50	M	M	7		35	60
17	58	50	54	-5	11	0	0.01	0.0	0	9.8	17	20	M	M	10		26	50
18	65	46	56	-3	9	0	0.00	0.0	0	9.8	30	40	M	M	8		39	40
19	74	44	59	-1	6	0	0.00	0.0	0	6.4	16	40	M	M	3		30	50
20	74	47	61	1	4	0	0.05	0.0	0	7.8	22	110	M	M	9		26	110

21	73	56	65	5	0	0	0.21	0.0	0	6.3	18	150	M	M	9	18	22	150
22	74	58	66	5	0	1	0.00	0.0	0	5.4	15	130	M	M	9	128	20	100
23	89	62	76	15	0	11	0.00	0.0	0	10.0	21	190	M	M	5		25	190
24	91	70	81	19	0	16	0.00	0.0	0	8.2	16	100	M	M	2	1	22	80
25	88	69	79	17	0	14	0.00	0.0	0	7.8	18	120	M	M	5	8	23	130
26	87	66	77	15	0	12	T	0.0	0	4.5	21	280	M	M	7	3	30	280
27	77	61	69	6	0	4	0.00	0.0	0	10.7	20	40	M	M	5		28	50
28	79	57	68	5	0	3	0.00	0.0	0	8.4	17	40	M	M	2		38	50
29	86	59	73	10	0	8	0.00	0.0	0	5.8	13	60	M	M	2		23	50
30	91	61	76	12	0	11	0.00	0.0	0	5.9	15	200	M	M	3		18	160
31	81	66	74	10	0	9	0.26	0.0	0	4.7	31	340	M	M	7	13	45	330
SM	2206	1618		184	89	4.90		0.0	281.2				M		193			
AV	71.2	52.2							9.1	FASTST			M	M	6	MAX(MPH)		
								MISC ---->	# 32	120						# 45	330	

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: MAY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 61.7
DPTR FM NORMAL: 3.0
HIGHEST: 91 ON 30,24
LOWEST: 38 ON 9

[PRECIPITATION DATA]

TOTAL FOR MONTH: 4.90
DPTR FM NORMAL: 1.52
GRTST 24HR 1.61 ON 12-13

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 2
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 12
0.10 INCH OR MORE: 8
0.50 INCH OR MORE: 4
1.00 INCH OR MORE: 1

[HDD (BASE 65)]
TOTAL THIS MO. 184
DPTR FM NORMAL -48
TOTAL FM JUL 1 5964
DPTR FM NORMAL -485

CLEAR (SCALE 0-3) 5
PTCLDY (SCALE 4-7) 18
CLOUDY (SCALE 8-10) 8

[CDD (BASE 65)]
TOTAL THIS MO. 89
DPTR FM NORMAL 41
TOTAL FM JAN 1 112
DPTR FM NORMAL 54

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.49 ON 1

[REMARKS]
#FINAL-05-10#

Untitled

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: MAY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	70	58	64	11	1	0	0.11	0.0	0	9.4	20	240	M	M	8	1	25	230
2	69	53	61	7	4	0	0.93	0.0	0	6.1	16	280	M	M	7	1	22	280
3	72	50	61	7	4	0	0.00	0.0	0	9.4	21	230	M	M	3		30	290
4	79	50	65	11	0	0	0.00	0.0	0	14.2	28	220	M	M	4		36	230
5	72	56	64	9	1	0	T	0.0	0	12.8	25	290	M	M	5		33	250
6	63	46	55	0	10	0	0.01	0.0	0	9.1	17	50	M	M	5	3	24	60
7	59	45	52	-4	13	0	0.72	0.0	0	13.2	32	120	M	M	8	138	38	130
8	50	42	46	-10	19	0	0.02	0.0	0	15.2	30	280	M	M	9	1	39	270
9	58	38	48	-8	17	0	0.00	0.0	0	6.4	14	100	M	M	4		22	70
10	58	41	50	-7	15	0	T	0.0	0	14.2	30	120	M	M	8		36	130
11	52	44	48	-9	17	0	0.97	0.0	0	9.9	29	120	M	M	9	1	37	110
12	51	44	48	-9	17	0	0.12	0.0	0	10.4	21	100	M	M	10	1238	25	60
13	73	48	61	3	4	0	1.49	0.0	0	12.3	26	260	M	M	7	13	38	270
14	66	47	57	-1	8	0	0.00	0.0	0	11.2	23	280	M	M	5		30	260
15	61	43	52	-6	13	0	0.00	0.0	0	5.8	13	40	M	M	8		M	M
16	66	41	54	-5	11	0	0.00	0.0	0	10.1	18	50	M	M	7		35	60
17	58	50	54	-5	11	0	0.01	0.0	0	9.8	17	20	M	M	10		26	50
18	65	46	56	-3	9	0	0.00	0.0	0	9.8	30	40	M	M	8		39	40
19	74	44	59	-1	6	0	0.00	0.0	0	6.4	16	40	M	M	3		30	50
20	74	47	61	1	4	0	0.05	0.0	0	7.8	22	110	M	M	9		26	110
21	73	56	65	5	0	0	0.21	0.0	0	6.3	18	150	M	M	9	18	22	150
22	74	58	66	5	0	1	0.00	0.0	0	5.4	15	130	M	M	9	128	20	100
23	89	62	76	15	0	11	0.00	0.0	0	10.0	21	190	M	M	5		25	190
24	91	70	81	19	0	16	0.00	0.0	0	8.2	16	100	M	M	2	1	22	80
25	88	69	79	17	0	14	0.00	0.0	0	7.8	18	120	M	M	5	8	23	130
26	87	66	77	15	0	12	T	0.0	0	4.5	21	280	M	M	7	3	30	280
27	77	61	69	6	0	4	0.00	0.0	0	10.7	20	40	M	M	5		28	50
28	79	57	68	5	0	3	0.00	0.0	0	8.4	17	40	M	M	2		38	50
29	86	59	73	10	0	8	0.00	0.0	0	5.8	13	60	M	M	2		23	50
30	91	61	76	12	0	11	0.00	0.0	0	5.9	15	200	M	M	3		18	160
31	81	66	74	10	0	9	0.26	0.0	0	4.7	31	340	M	M	7	13	45	330
SM	2206	1618			184	89	4.90		0.0	281.2			M		193			
AV	71.2	52.2								9.1	FASTST		M	M	6		MAX(MPH)	
									MISC ---->	# 32	120						# 45	330

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: MAY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 61.7
DPTR FM NORMAL: 3.0
HIGHEST: 91 ON 30,24
LOWEST: 38 ON 9

[PRECIPITATION DATA]

TOTAL FOR MONTH: 4.90
DPTR FM NORMAL: 1.52
GRTST 24HR 1.61 ON 12-13

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 0.0 INCH
GRTST 24HR 0.0
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 2
MIN 32 OR BELOW: 0
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 12
0.10 INCH OR MORE: 8
0.50 INCH OR MORE: 4
1.00 INCH OR MORE: 1

[HDD (BASE 65)]
TOTAL THIS MO. 184
DPTR FM NORMAL -48
TOTAL FM JUL 1 5964
DPTR FM NORMAL -485

CLEAR (SCALE 0-3) 5
PTCLDY (SCALE 4-7) 18
CLOUDY (SCALE 8-10) 8

[CDD (BASE 65)]
TOTAL THIS MO. 89
DPTR FM NORMAL 41
TOTAL FM JAN 1 112
DPTR FM NORMAL 54

[PRESSURE DATA]
HIGHEST SLP M ON M
LOWEST SLP 29.49 ON 1

[REMARKS]
#FINAL-05-10#

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: APRIL
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	83	54	69	26	0	4	0.00	0.0	0	15.3	30	190	M	M	8		39	190
2	81	59	70	27	0	5	0.00	0.0	0	17.6	36	190	M	M	9		48	190
3	59	49	54	11	11	0	0.18	0.0	0	11.9	24	270	M	M	8	18	31	270
4	76	39	58	14	7	0	0.80	0.0	0	13.7	35	200	M	M	8	138	45	200
5	72	50	61	17	4	0	0.82	0.0	0	8.5	47	310	M	M	7	138	68	320
6	76	47	62	18	3	0	0.37	0.0	0	8.7	25	220	M	M	9	138	31	230
7	49	37	43	-2	22	0	0.13	0.0	0	11.4	24	20	M	M	10	1	28	20
8	40	34	37	-8	28	0	T	T	0	11.6	22	310	M	M	9	1	29	350
9	56	30	43	-3	22	0	0.00	0.0	0	7.7	20	320	M	M	1		M	M
10	74	38	56	10	9	0	0.00	0.0	0	11.5	26	220	M	M	4		35	210
11	63	44	54	8	11	0	0.00	0.0	0	8.1	16	60	M	M	8		M	M
12	70	44	57	10	8	0	0.01	0.0	0	11.3	20	100	M	M	8		28	50
13	63	48	56	9	9	0	0.00	0.0	0	12.1	18	120	M	M	6		28	70
14	80	46	63	16	2	0	0.00	0.0	0	8.4	17	110	M	M	7	8	22	160
15	82	61	72	24	0	7	0.00	0.0	0	12.7	24	240	M	M	6	8	33	250
16	68	39	54	6	11	0	0.00	0.0	0	12.9	25	330	M	M	6		35	320
17	59	37	48	0	17	0	0.00	0.0	0	11.5	25	320	M	M	1		31	330
18	52	36	44	-5	21	0	0.00	0.0	0	8.4	16	40	M	M	2		32	50
19	56	35	46	-3	19	0	0.00	0.0	0	6.2	14	50	M	M	8		26	40
20	64	38	51	2	14	0	0.00	0.0	0	3.7	14	70	M	M	8		23	60
21	62	41	52	2	13	0	T	0.0	0	10.4	21	40	M	M	5		29	50
22	60	38	49	-1	16	0	0.00	0.0	0	7.1	13	70	M	M	5		23	50
23	63	41	52	2	13	0	0.07	0.0	0	7.9	20	110	M	M	9	1	24	110
24	60	51	56	5	9	0	0.26	0.0	0	12.1	26	100	M	M	9	18	31	90
25	60	47	54	3	11	0	0.31	0.0	0	13.5	23	30	M	M	10	18	30	40
26	63	47	55	4	10	0	0.00	0.0	0	14.7	22	20	M	M	7		36	40
27	51	37	44	-8	21	0	0.00	0.0	0	12.1	23	40	M	M	4		31	40
28	64	33	49	-3	16	0	0.00	0.0	0	4.7	16	100	M	M	4		21	80
29	79	46	63	10	2	0	0.00	0.0	0	18.4	37	180	M	M	6	8	49	190
30	81	62	72	19	0	7	0.06	0.0	0	18.0	31	190	M	M	6	38	39	190
SM	1966	1308			329	23	3.01	T		332.1			M		198			
AV	65.5	43.6								11.1	FASTST		M	M	7		MAX(MPH)	
									MISC ---->	# 47	310						# 68	320

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: APRIL
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 54.6
DPTR FM NORMAL: 6.8
HIGHEST: 83 ON 1
LOWEST: 30 ON 9

[PRECIPITATION DATA]

TOTAL FOR MONTH: 3.01
DPTR FM NORMAL: -0.67
GRTST 24HR 1.19 ON 5- 6

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: T
GRTST 24HR T ON 8- 8
GRTST DEPTH: 0

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 1
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 10
0.10 INCH OR MORE: 7
0.50 INCH OR MORE: 2
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 329
DPTR FM NORMAL -184
TOTAL FM JUL 1 5780
DPTR FM NORMAL -437

CLEAR (SCALE 0-3) 3
PTCLDY (SCALE 4-7) 18
CLOUDY (SCALE 8-10) 9

[CDD (BASE 65)]

TOTAL THIS MO. 23
DPTR FM NORMAL 14
TOTAL FM JAN 1 23
DPTR FM NORMAL 13

[PRESSURE DATA]

HIGHEST SLP M ON M
LOWEST SLP 29.22 ON 25

[REMARKS]
#FINAL-04-10#

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 010700
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: MARCH
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:						:PCPN:		SNOW:	WIND			:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	36	27	32	0	33	0	0.00	0.0	3	7.7	14	50	M	M	9		26	30
2	33	23	28	-4	37	0	0.00	0.0	3	8.6	15	20	M	M	9		26	30
3	39	24	32	-1	33	0	0.00	0.0	3	8.4	14	340	M	M	5		28	40
4	42	22	32	-1	33	0	0.00	0.0	2	6.7	15	50	M	M	2		28	40
5	38	23	31	-2	34	0	0.00	0.0	1	6.7	16	50	M	M	1		26	60
6	45	20	33	-1	32	0	0.00	0.0	0	3.4	12	210	M	M	0	8	14	210
7	46	26	36	2	29	0	0.03	0.0	0	3.8	12	200	M	M	7	18	14	200
8	44	33	39	5	26	0	0.00	0.0	0	2.3	8	60	M	M	9	128	20	60
9	51	32	42	7	23	0	0.01	0.0	0	6.4	13	120	M	M	9	128	30	60
10	62	46	54	19	11	0	0.07	0.0	0	8.1	17	210	M	M	8	18	22	190
11	60	44	52	16	13	0	0.34	0.0	0	9.4	20	130	M	M	9	13	24	140
12	55	40	48	12	17	0	0.01	0.0	0	8.6	22	30	M	M	9	1	39	40
13	45	41	43	7	22	0	0.61	0.0	0	16.2	25	40	M	M	10	1	37	40
14	50	40	45	8	20	0	T	0.0	0	16.5	26	40	M	M	9	1	35	30
15	48	39	44	7	21	0	0.00	0.0	0	7.6	17	30	M	M	8		32	40
16	61	35	48	11	17	0	0.00	0.0	0	4.4	10	60	M	M	5		18	50
17	63	32	48	10	17	0	0.00	0.0	0	3.9	10	80	M	M	1	8	23	50
18	61	41	51	13	14	0	0.00	0.0	0	9.5	22	250	M	M	4		28	240
19	65	39	52	14	13	0	0.00	0.0	0	11.5	23	30	M	M	8		30	30
20	39	31	35	-4	30	0	0.42	1.8	0	15.6	24	40	M	M	10	1	32	30
21	42	33	38	-1	27	0	0.02	T	0	13.6	22	30	M	M	8	1	35	50
22	49	34	42	3	23	0	0.00	0.0	0	12.7	21	20	M	M	4		28	30
23	59	28	44	4	21	0	0.00	0.0	0	4.5	13	100	M	M	2		20	80
24	53	35	44	4	21	0	0.00	0.0	0	4.8	12	110	M	M	10		28	40
25	47	29	38	-3	27	0	0.03	0.0	0	17.8	36	20	M	M	9		43	10
26	41	27	34	-7	31	0	0.00	0.0	0	9.7	22	20	M	M	2		28	60
27	50	31	41	0	24	0	0.01	0.0	0	9.4	15	70	M	M	10		26	80
28	52	37	45	3	20	0	0.00	0.0	0	14.1	26	20	M	M	6		33	20
29	46	30	38	-4	27	0	0.00	0.0	0	6.9	13	10	M	M	5		24	50
30	64	29	47	5	18	0	0.00	0.0	0	11.0	20	190	M	M	5	1	26	180
31	77	51	64	22	1	0	0.00	0.0	0	14.8	28	190	M	M	8		35	210
SM	1563	1022			715	0	1.55		1.8	284.6			M		201			
AV	50.4	33.0								9.2	FASTST		M	M	6		MAX(MPH)	
									MISC ---->	# 36	20						# 43	10

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: MARCH
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 41.7
DPTR FM NORMAL: 4.4
HIGHEST: 77 ON 31
LOWEST: 20 ON 6

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.55
DPTR FM NORMAL: -1.10
GRTST 24HR 0.61 ON 13-13

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 1.8 INCHES
GRTST 24HR 1.8 ON M
GRTST DEPTH: 3 ON 3, 2

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 0
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 16
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 10
0.10 INCH OR MORE: 3
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 715
DPTR FM NORMAL -143
TOTAL FM JUL 1 5451
DPTR FM NORMAL -253

CLEAR (SCALE 0-3) 6
PTCLDY (SCALE 4-7) 11
CLOUDY (SCALE 8-10) 14

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL -1
TOTAL FM JAN 1 0
DPTR FM NORMAL -1

[PRESSURE DATA]

HIGHEST SLP M ON M
LOWEST SLP 28.92 ON 31

[REMARKS]
#FINAL-03-10#

These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

WFO Monthly/Daily Climate Data

000
CXUS55 KLOT 171127
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: FEBRUARY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

TEMPERATURE IN F:							:PCPN:	SNOW:		WIND			:SUNSHINE:	SKY			:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	30	14	22	-1	43	0	T	T	0	4.1	9	130	M	M	8	8	17	60
2	32	25	29	6	36	0	0.10	2.1	1	7.1	14	270	M	M	10	18	21	280
3	32	23	28	4	37	0	0.00	0.0	1	5.6	14	270	M	M	10	18	22	50
4	33	21	27	3	38	0	0.00	0.0	1	6.3	14	100	M	M	9	18	23	110
5	35	30	33	9	32	0	0.02	0.2	1	15.0	26	40	M	M	10	18	37	50
6	31	25	28	4	37	0	T	T	0	15.1	28	30	M	M	8		36	30
7	31	23	27	2	38	0	T	T	0	5.9	13	110	M	M	9	1	24	50
8	30	20	25	0	40	0	T	T	0	8.7	18	100	M	M	9		29	90
9	28	23	26	1	39	0	0.65	12.6	1	10.7	21	10	M	M	10	12	26	10
10	26	17	22	-4	43	0	0.02	0.3	9	14.5	25	330	M	M	8	19	33	330
11	30	10	20	-6	45	0	0.00	0.0	7	5.8	12	350	M	M	2		16	10
12	32	10	21	-5	44	0	0.00	0.0	6	4.7	9	360	M	M	6	8	18	40
13	30	11	21	-5	44	0	0.00	0.0	5	7.1	15	310	M	M	3		18	310
14	29	9	19	-8	46	0	0.00	0.0	5	5.6	12	290	M	M	2	18	15	270
15	28	6	17	-10	48	0	T	0.3	4	8.5	16	310	M	M	8	18	18	300
16	32	25	29	2	36	0	T	T	5	11.9	21	320	M	M	8	1	26	320
17	32	26	29	1	36	0	0.00	0.0	4	10.2	16	310	M	M	10		20	310
18	39	25	32	4	33	0	0.00	0.0	3	7.1	15	280	M	M	5		20	300
19	42	19	31	3	34	0	0.00	0.0	2	4.6	9	80	M	M	4		18	60
20	39	30	35	6	30	0	0.01	0.2	2	5.2	9	160	M	M	10	18	17	50
21	36	33	35	6	30	0	0.36	2.0	2	7.7	13	40	M	M	10	18	17	30
22	33	29	31	2	34	0	0.14	1.1	4	10.5	16	20	M	M	10	1	25	50
23	33	22	28	-2	37	0	T	T	3	6.5	14	260	M	M	9	18	18	250
24	29	21	25	-5	40	0	0.34	3.6	3	12.0	22	330	M	M	10	12	28	360
25	28	18	23	-7	42	0	T	T	5	11.8	18	310	M	M	2	8	28	360
26	31	17	24	-7	41	0	T	T	5	13.1	22	320	M	M	5		26	320
27	34	28	31	0	34	0	T	0.1	5	11.3	18	330	M	M	10	1	24	320
28	38	32	35	4	30	0	T	T	4	7.1	12	350	M	M	10	18	24	50
SM	903	592		1067	0	1.64		22.5	243.7				M		215			
AV	32.2	21.1								8.7	FASTST		M	M	8		MAX(MPH)	
									MISC ---->	#	28	30				#	37	50

NOTES:
LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL
MONTH: FEBRUARY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 26.7
DPTR FM NORMAL: -0.3
HIGHEST: 42 ON 19
LOWEST: 6 ON 15

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.64
DPTR FM NORMAL: 0.01
GRTST 24HR 0.66 ON 9-10

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 22.5 INCHES
GRTST 24HR 12.6 ON M
GRTST DEPTH: 9 ON 10

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 18
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 27
MIN 0 OR BELOW: 0

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 8
0.10 INCH OR MORE: 5
0.50 INCH OR MORE: 1
1.00 INCH OR MORE: 0

[HDD (BASE 65)]

TOTAL THIS MO. 1067
DPTR FM NORMAL -8
TOTAL FM JUL 1 4736
DPTR FM NORMAL -110

CLEAR (SCALE 0-3) 4
PTCLDY (SCALE 4-7) 6
CLOUDY (SCALE 8-10) 18

[CDD (BASE 65)]

TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 0
DPTR FM NORMAL 0

[PRESSURE DATA]

HIGHEST SLP 30.42 ON 4
LOWEST SLP 29.73 ON 9

[REMARKS]
#FINAL-02-10#

Explanation of the Preliminary Monthly Climate Data (F6) Product
These data are preliminary and have not undergone final quality control by the National Climatic Data Center (NCDC). Therefore, these data are subject to revision. Final and certified climate data can be accessed at the NCDC - http://www.ncdc.noaa.gov.

..FO Monthly/Daily Climate Data

000
CXUS55 KLOT 011858
CF6ORD
PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: CHICAGO-OHARE IL
MONTH: JANUARY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

	TEMPERATURE IN F:							:PCPN:	SNOW:	WIND				:SUNSHINE:		SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	12Z DPTH	AVG SPD	MX SPD	2MIN DIR	MIN	PSBL	S-S	WX	SPD	DR
1	16	5	11	-12	54	0	T	T	2	10.2	15	320	M	M	3		20	320
2	11	2	7	-16	58	0	0.00	0.0	2	11.9	18	340	M	M	2		22	330
3	18	-1	9	-14	56	0	T	T	2	10.3	16	330	M	M	4		20	340
4	18	7	13	-9	52	0	T	T	2	11.3	17	310	M	M	9		22	360
5	23	13	18	-4	47	0	T	T	2	8.6	16	340	M	M	9		21	340
6	20	10	15	-7	50	0	0.01	0.1	2	5.4	12	320	M	M	7	18	14	310
7	22	16	19	-3	46	0	0.27	3.9	3	5.6	13	330	M	M	10	1	15	300
8	27	11	19	-3	46	0	0.27	3.5	8	13.7	23	340	M	M	10	1	29	340
9	22	6	14	-8	51	0	T	T	7	8.5	15	320	M	M	6		18	10
[illegible]	18	0	9	-13	56	0	T	T	6	11.1	24	210	M	M	6		31	220
	26	15	21	-1	44	0	T	T	6	12.2	21	340	M	M	10		30	320
12	31	20	26	4	39	0	T	T	5	8.8	18	330	M	M	6		23	330
13	35	19	27	6	38	0	0.00	0.0	5	14.0	20	220	M	M	1		26	220
14	40	31	36	15	29	0	0.00	0.0	5	10.7	17	240	M	M	7	18	22	230
15	34	25	30	9	35	0	T	T	2	6.0	14	210	M	M	10	18	17	200
16	27	23	25	4	40	0	0.00	0.0	2	7.2	15	200	M	M	10	1	17	210
17	29	19	24	3	41	0	T	T	2	5.4	13	290	M	M	10	12	17	300
18	31	27	29	8	36	0	T	T	2	6.6	12	310	M	M	10	1	15	280
19	38	27	33	11	32	0	0.00	0.0	2	4.0	9	320	M	M	7	1	16	50
20	33	24	29	7	36	0	0.01	T	2	15.0	25	100	M	M	9	46	32	70
21	35	30	33	11	32	0	0.08	0.0	2	15.1	25	90	M	M	10		36	60
22	35	33	34	12	31	0	T	0.0	2	9.9	16	40	M	M	10	18	25	60
23	44	34	39	17	26	0	T	0.0	1	12.1	17	140	M	M	10	1	23	160
24	46	30	38	16	27	0	0.49	0.0	0	14.0	25	190	M	M	10	1	31	190
25	32	19	26	4	39	0	T	0.5	0	13.3	26	260	M	M	10	19	38	260
26	24	12	18	-4	47	0	T	0.2	0	14.4	22	270	M	M	10		30	250
27	23	9	16	-6	49	0	T	0.9	1	12.7	22	280	M	M	7	18	33	280
28	17	6	12	-10	53	0	0.00	0.0	1	11.6	25	300	M	M	4		32	300
29	21	5	13	-10	52	0	T	T	1	4.6	10	50	M	M	7	1	18	40
30	25	18	22	-1	43	0	T	T	1	5.8	13	110	M	M	9		26	60
31	29	15	22	-1	43	0	0.00	0.0	1	7.6	14	290	M	M	4		20	280
SM	850	510			1328	0	1.13		9.1	307.6			M		237			
AV	27.4	16.5								9.9	FASTST		M	M	8		MAX(MPH)	
								MISC ---->		#	26	260					# 38	260

NOTES:
LAST OF SEVERAL OCCURRENCES

LUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: CHICAGO-OHARE IL

Untitled
MONTH: JANUARY
YEAR: 2010
LATITUDE: 41 58 N
LONGITUDE: 87 54 W

[TEMPERATURE DATA]

AVERAGE MONTHLY: 21.9
DPTR FM NORMAL: -0.1
HIGHEST: 46 ON 24
LOWEST: -1 ON 3

[PRECIPITATION DATA]

TOTAL FOR MONTH: 1.13
DPTR FM NORMAL: -0.62
GRTST 24HR 0.52 ON 7- 8

SNOW, ICE PELLETS, HAIL
TOTAL MONTH: 9.1 INCHES
GRTST 24HR 3.9 ON M
GRTST DEPTH: 8 ON 8

SYMBOLS USED IN COLUMN 16

1 = FOG OR MIST
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = FREEZING RAIN OR DRIZZLE
7 = DUSTSTORM OR SANDSTORM: VSBY 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

[NO. OF DAYS WITH]

MAX 32 OR BELOW: 22
MAX 90 OR ABOVE: 0
MIN 32 OR BELOW: 29
MIN 0 OR BELOW: 2

[WEATHER - DAYS WITH]

0.01 INCH OR MORE: 6
0.10 INCH OR MORE: 3
0.50 INCH OR MORE: 0
1.00 INCH OR MORE: 0

[HDD (BASE 65)]
TOTAL THIS MO. 1328
DPTR FM NORMAL -5
TOTAL FM JUL 1 3669
DPTR FM NORMAL -102

CLEAR (SCALE 0-3) 3
PTCLDY (SCALE 4-7) 11
CLOUDY (SCALE 8-10) 17

[CDD (BASE 65)]
TOTAL THIS MO. 0
DPTR FM NORMAL 0
TOTAL FM JAN 1 0
DPTR FM NORMAL 0

[PRESSURE DATA]
HIGHEST SLP 30.57 ON 29
LOWEST SLP 29.18 ON 24

[REMARKS]
#FINAL-01-10#